

FIG. 2

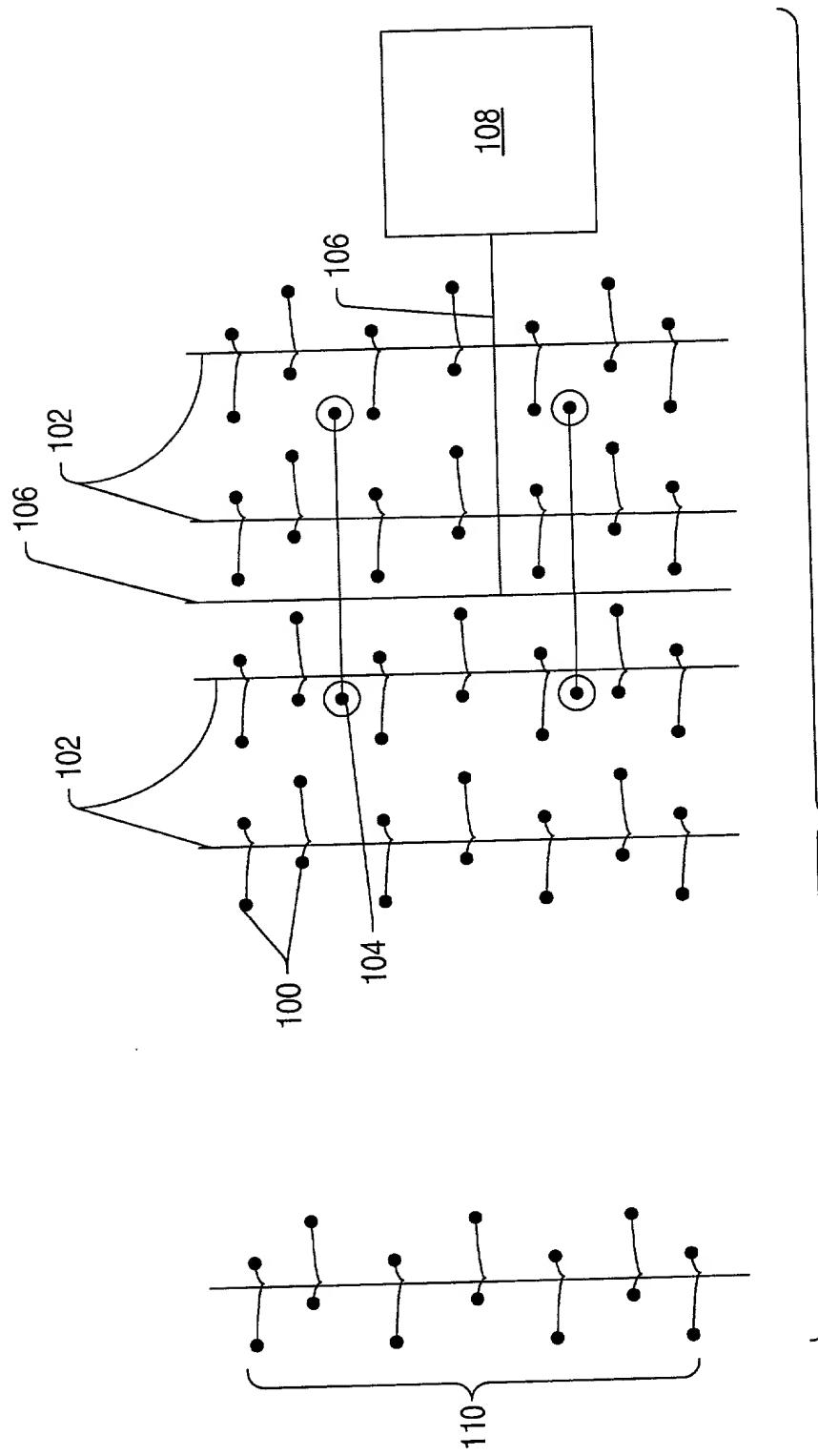


FIG. 3

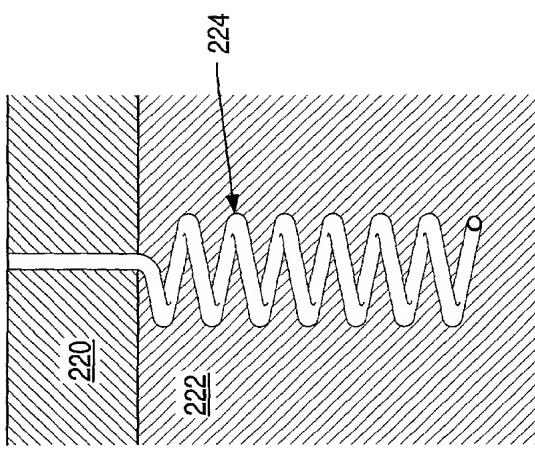
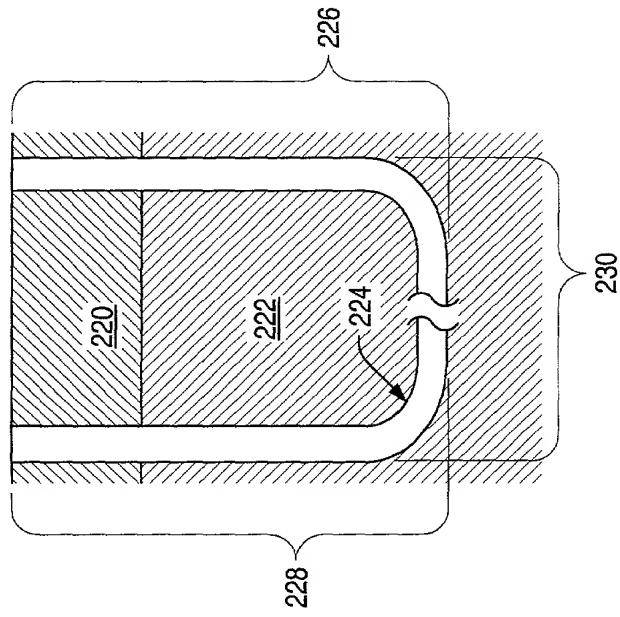
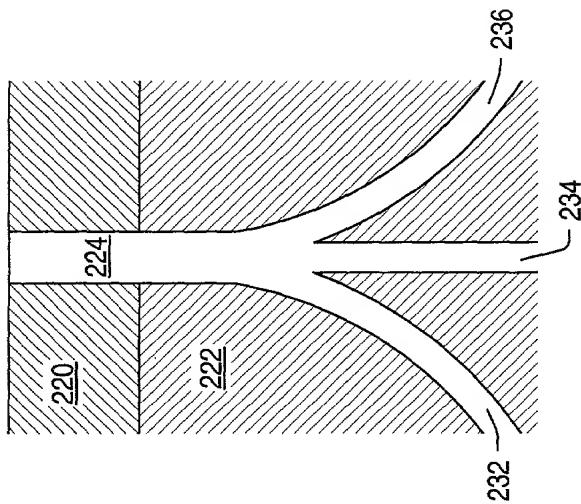


FIG. 4

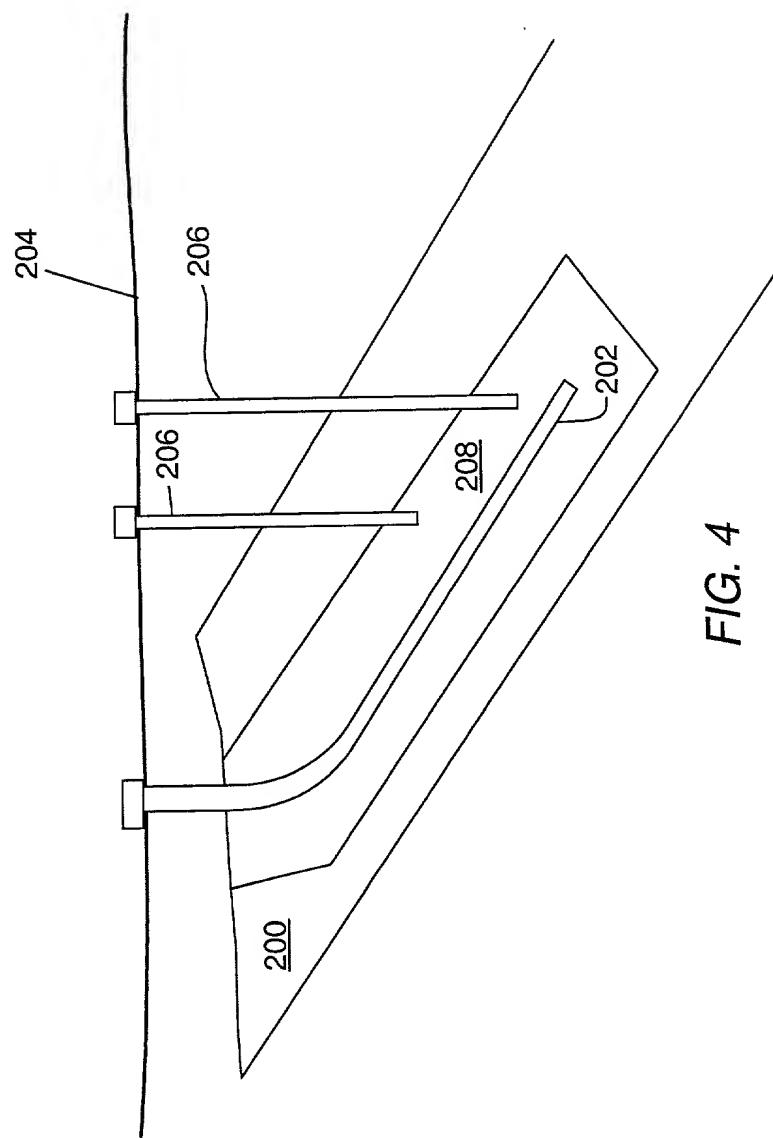
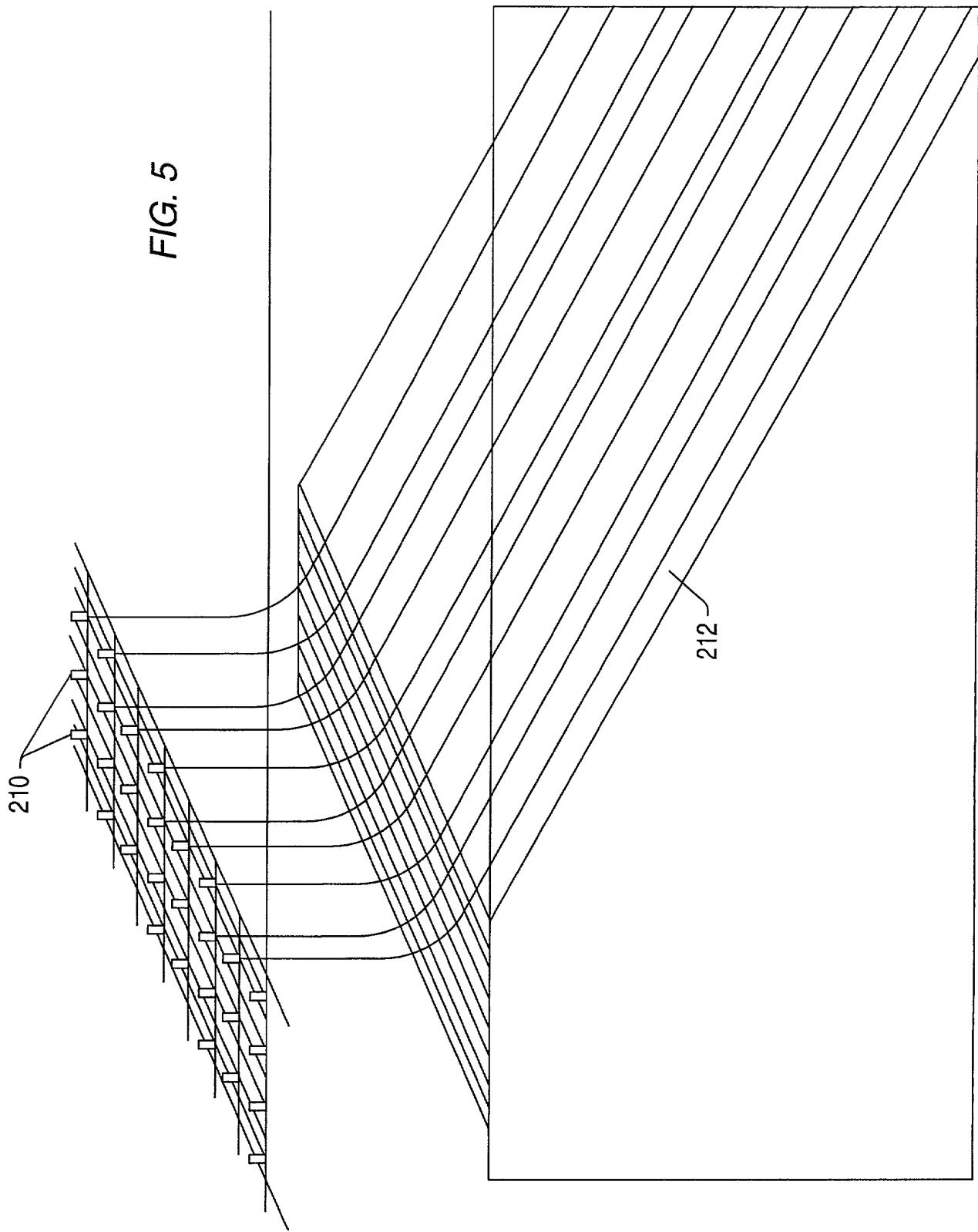


FIG. 5



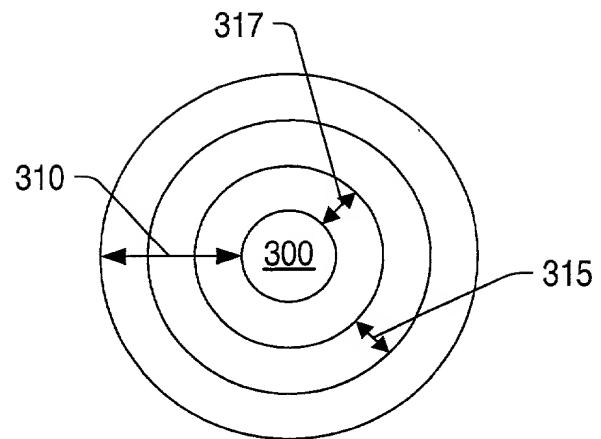


FIG. 6

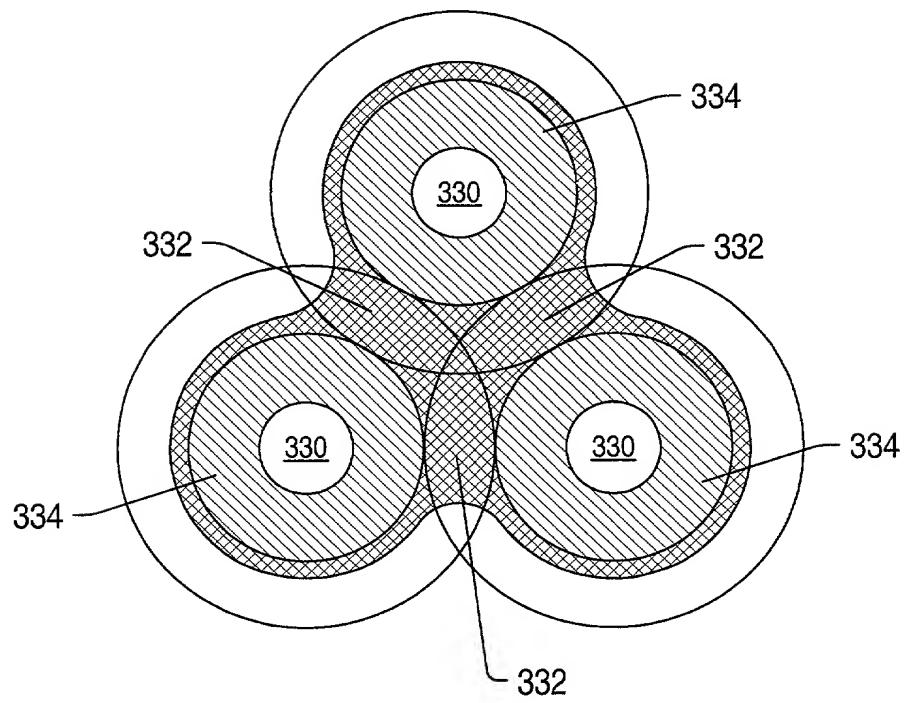


FIG. 7

FIG. 8

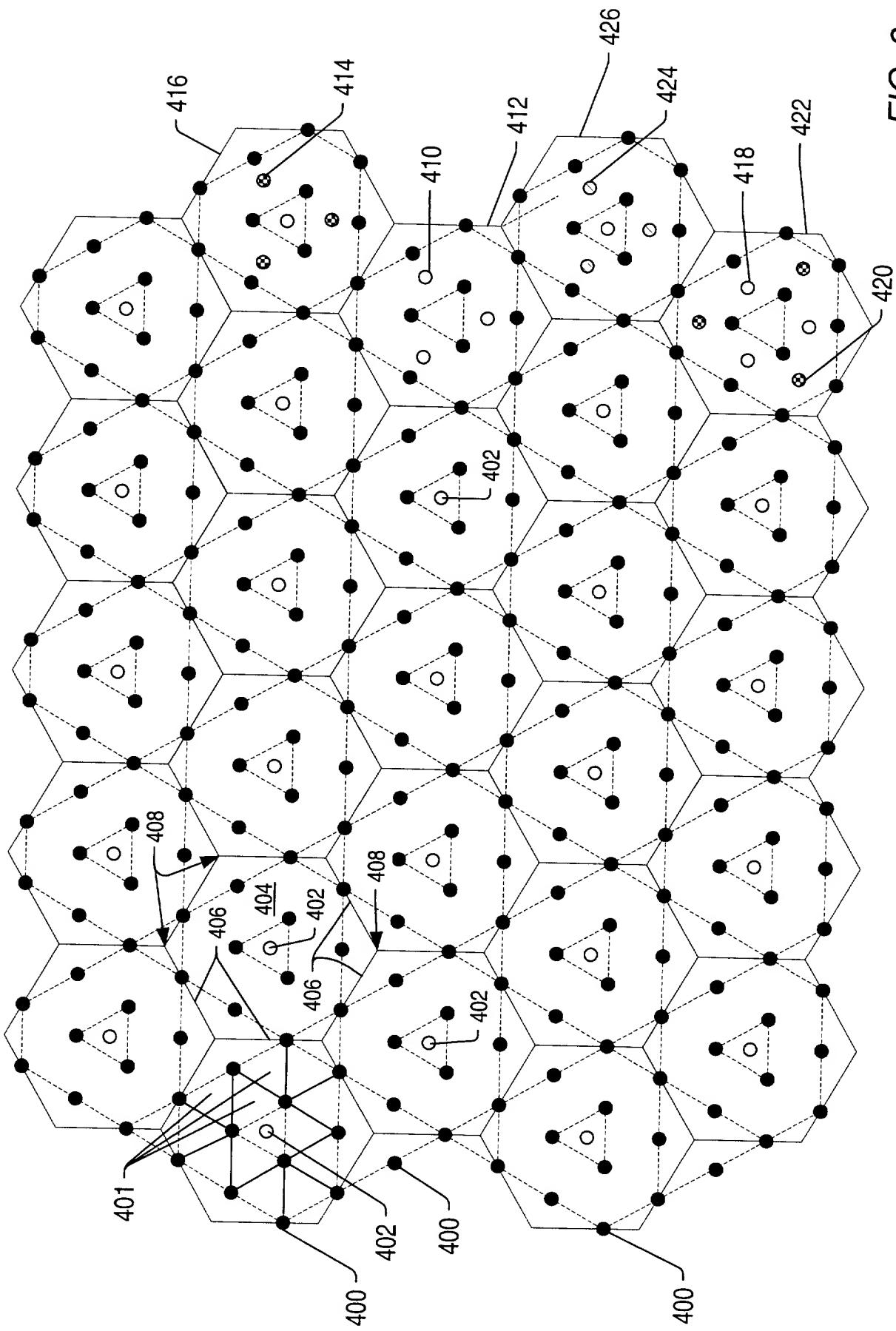
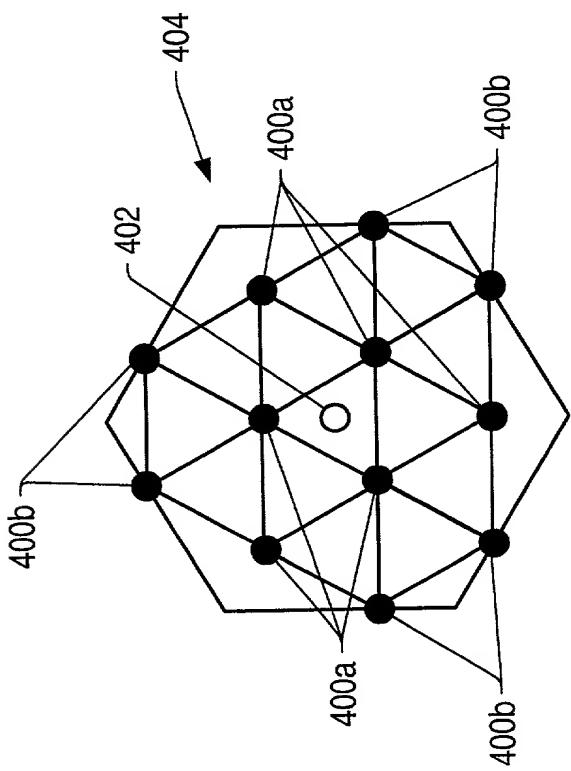


FIG. 9



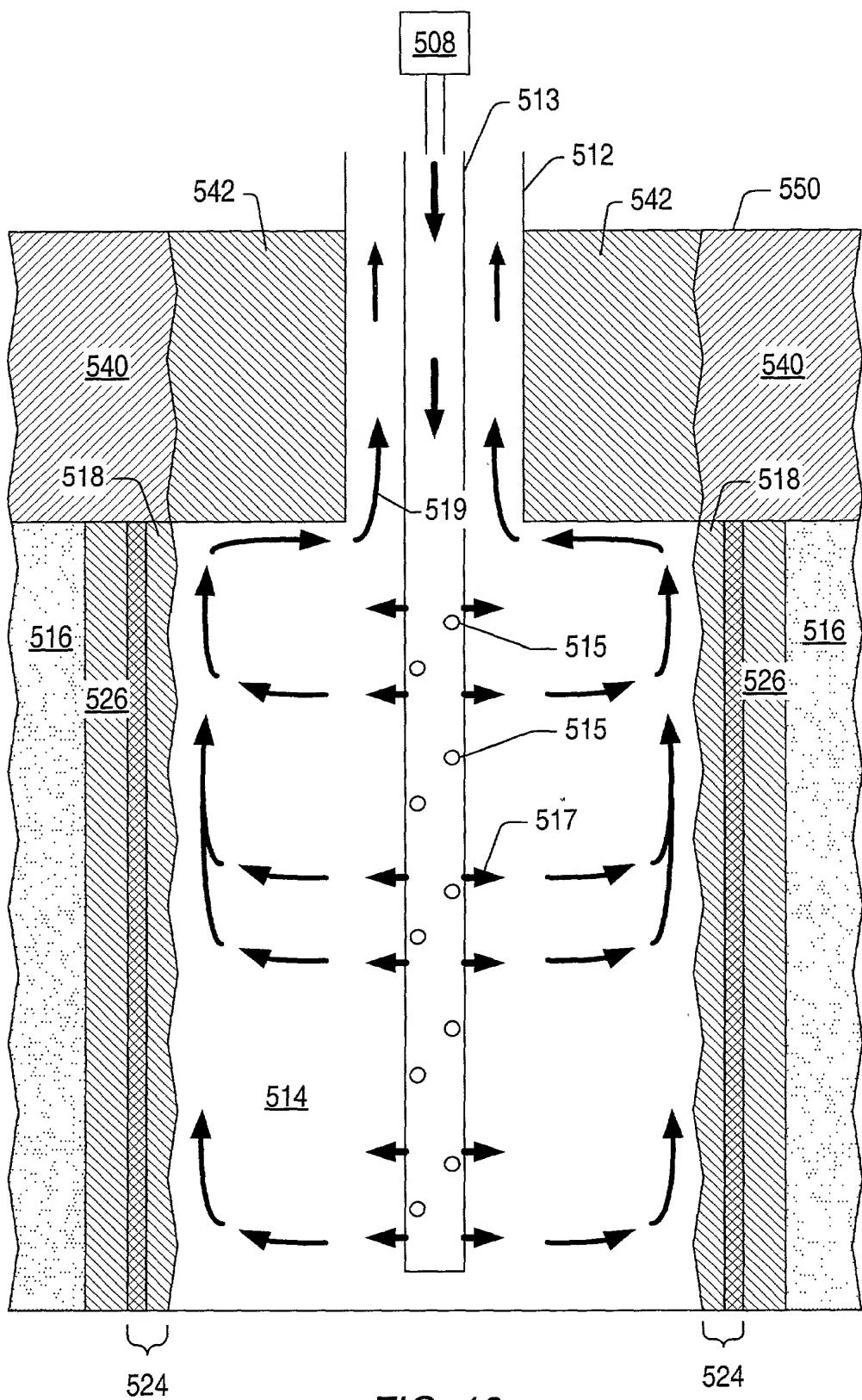


FIG. 10

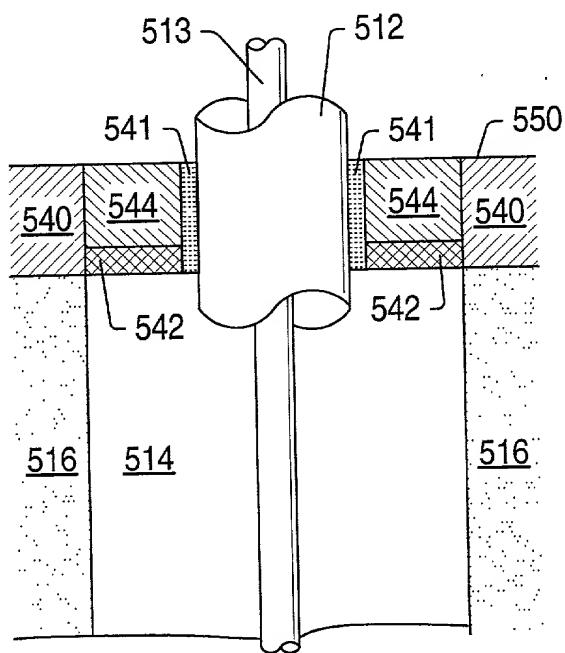


FIG. 11

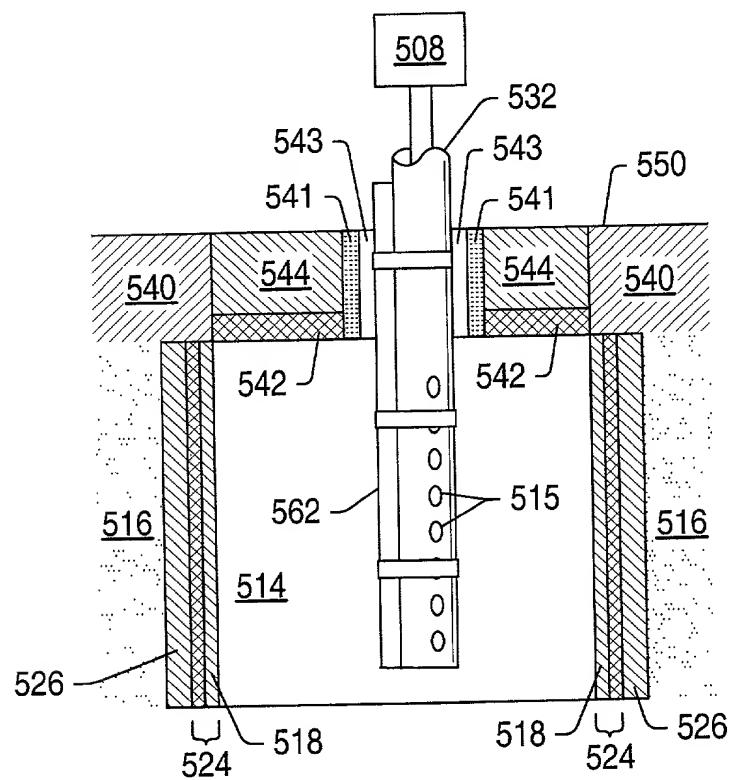


FIG. 12

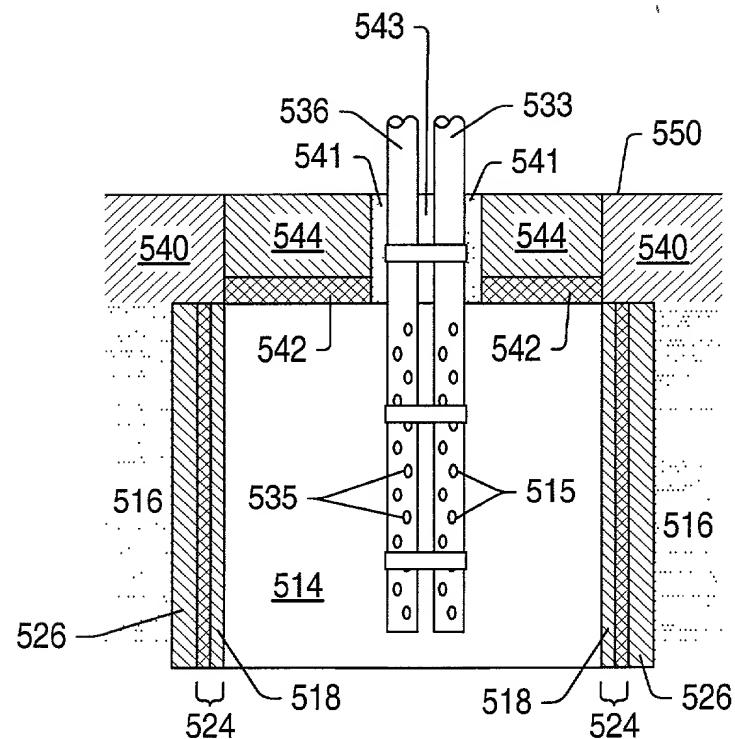


Fig. 13

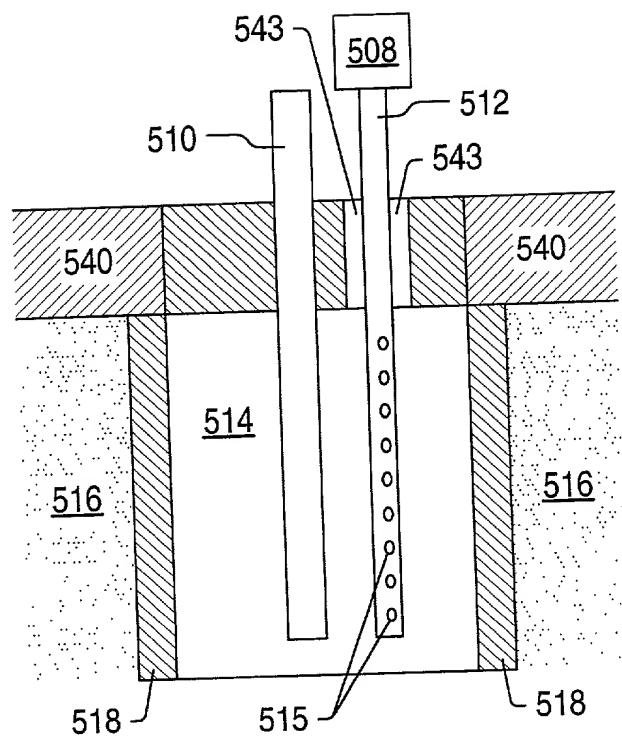


FIG. 14

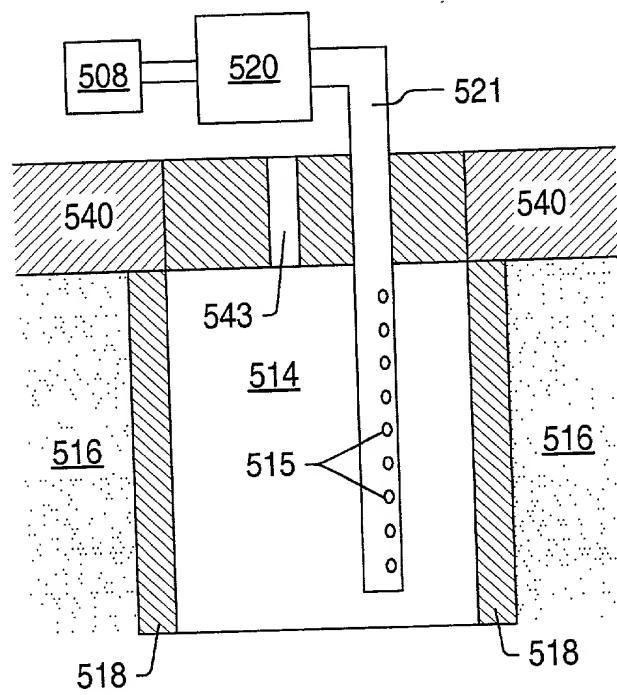


FIG. 15

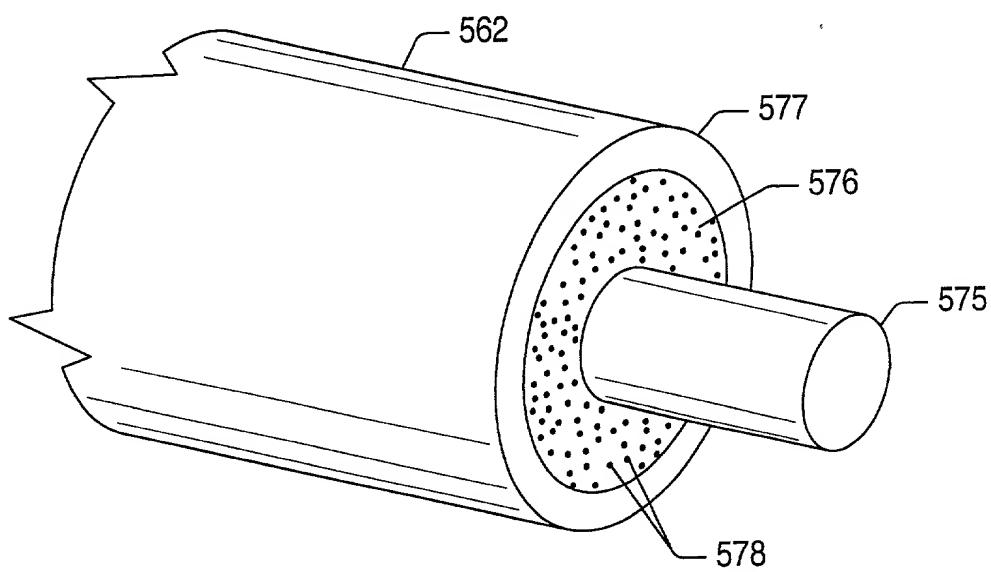


FIG. 16

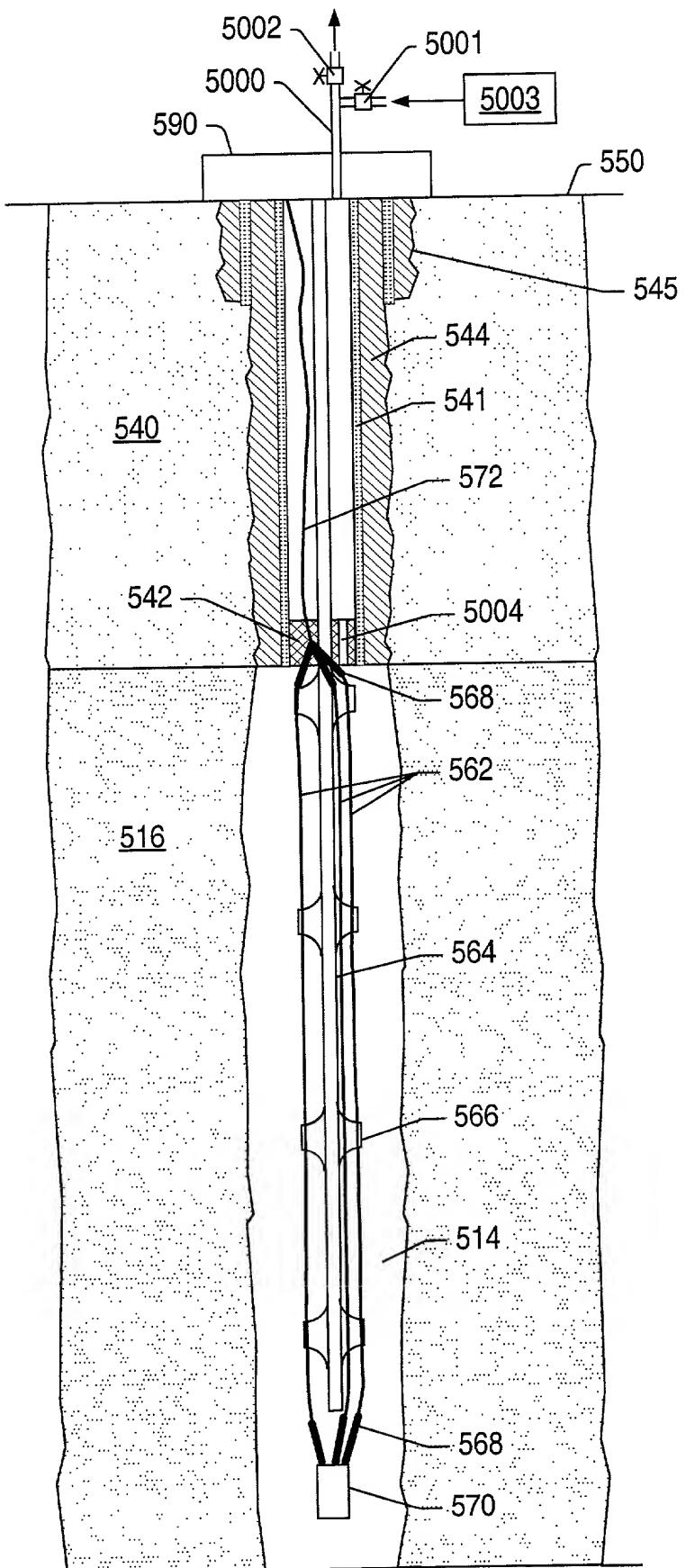


FIG. 17

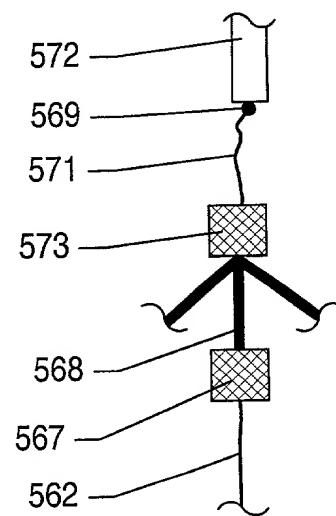


FIG. 17A

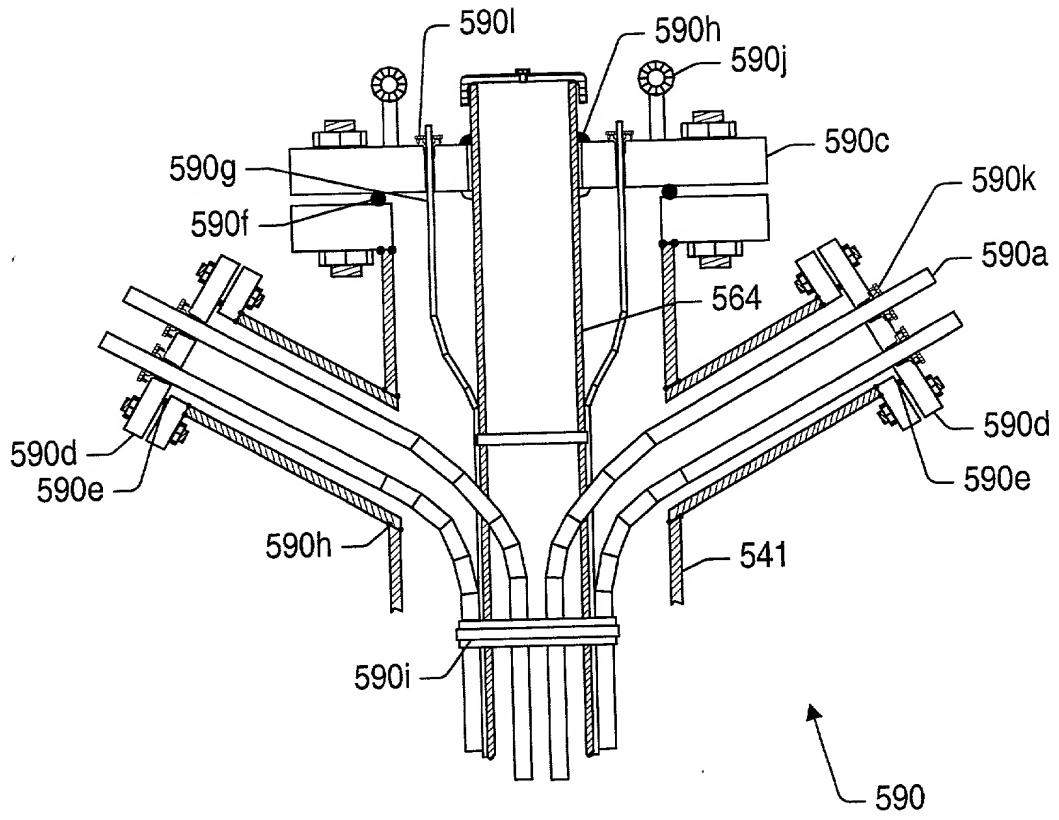


FIG. 18

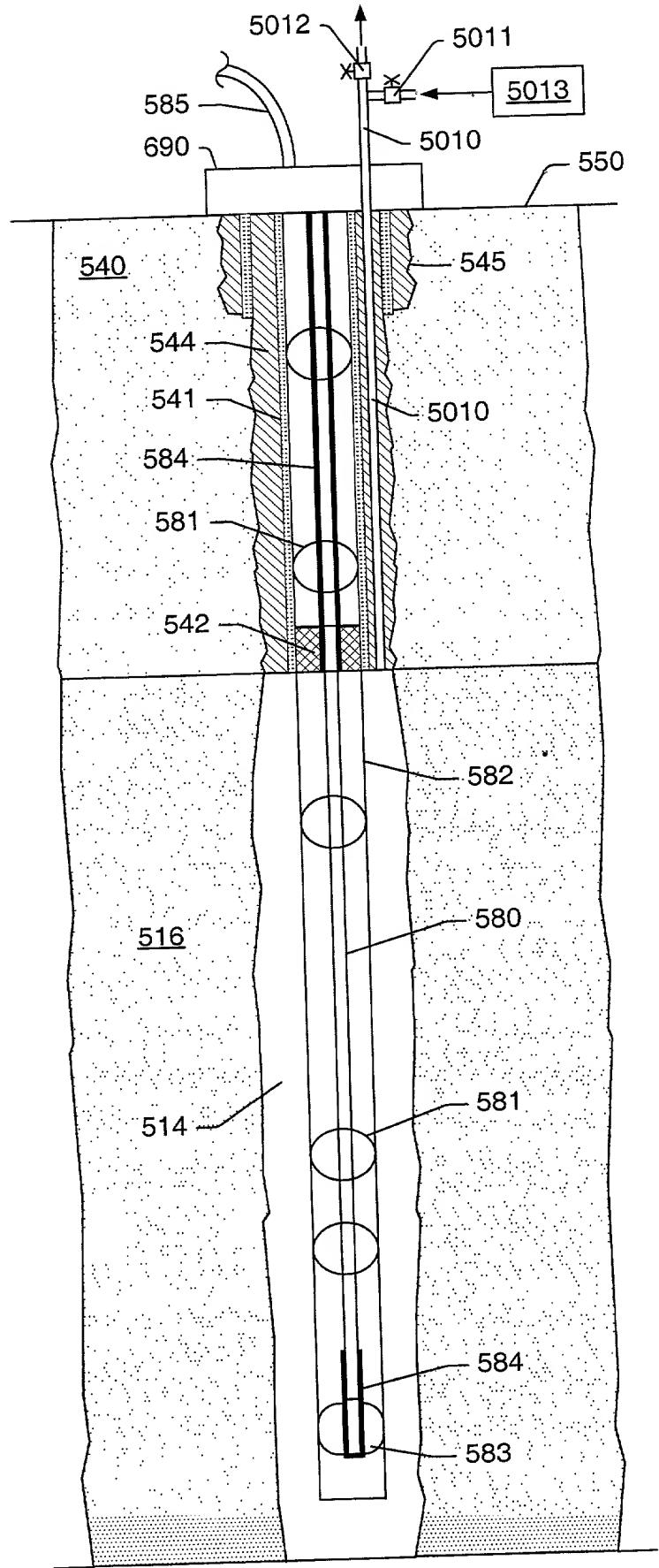


FIG. 19

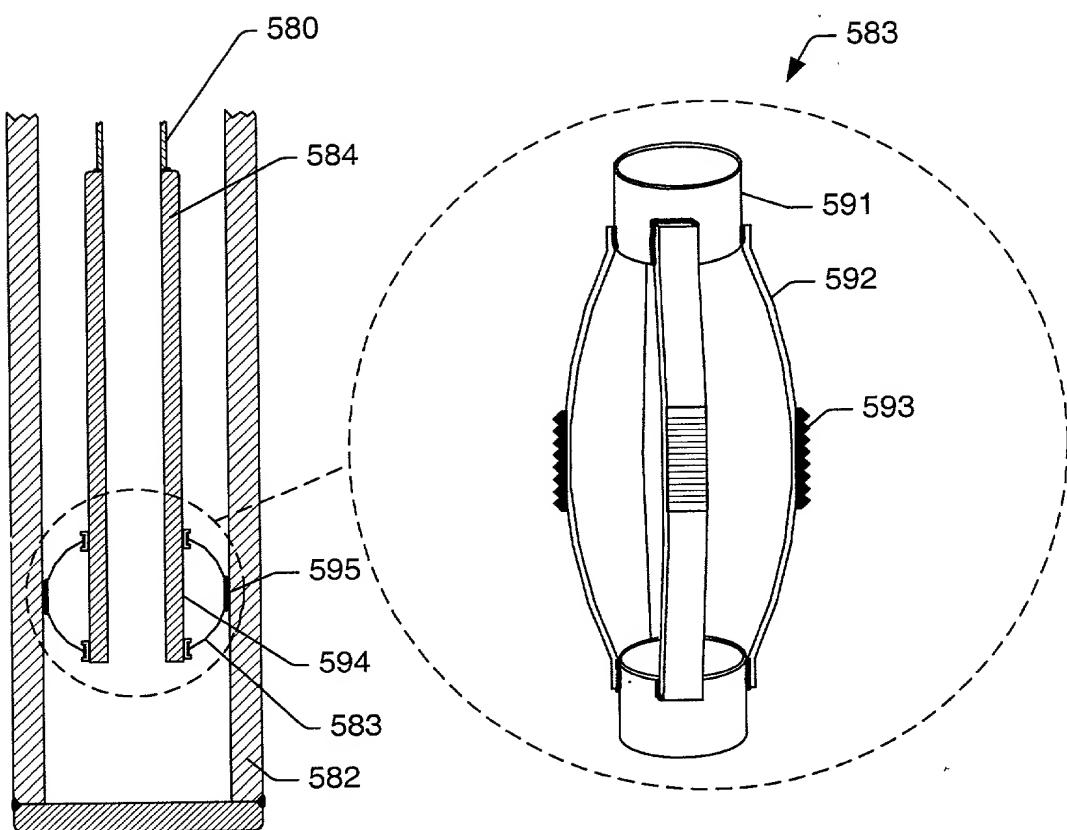


FIG. 20

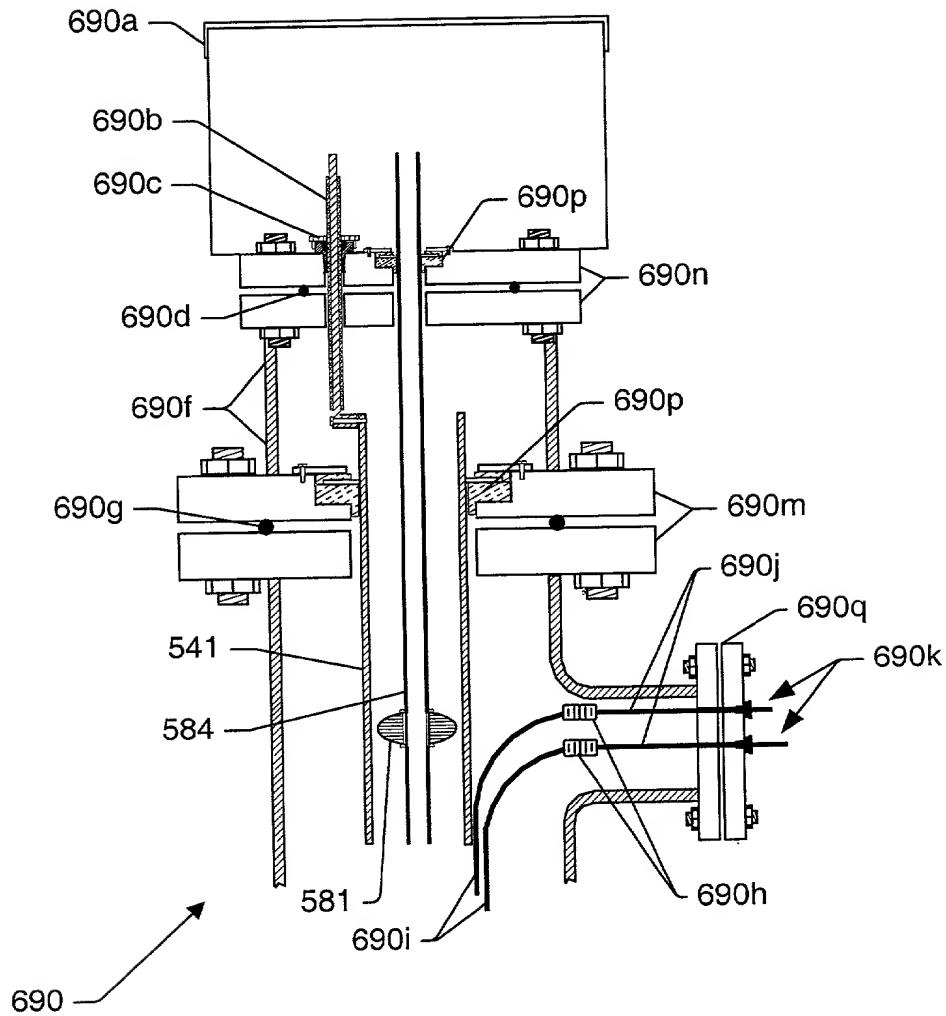


FIG. 21

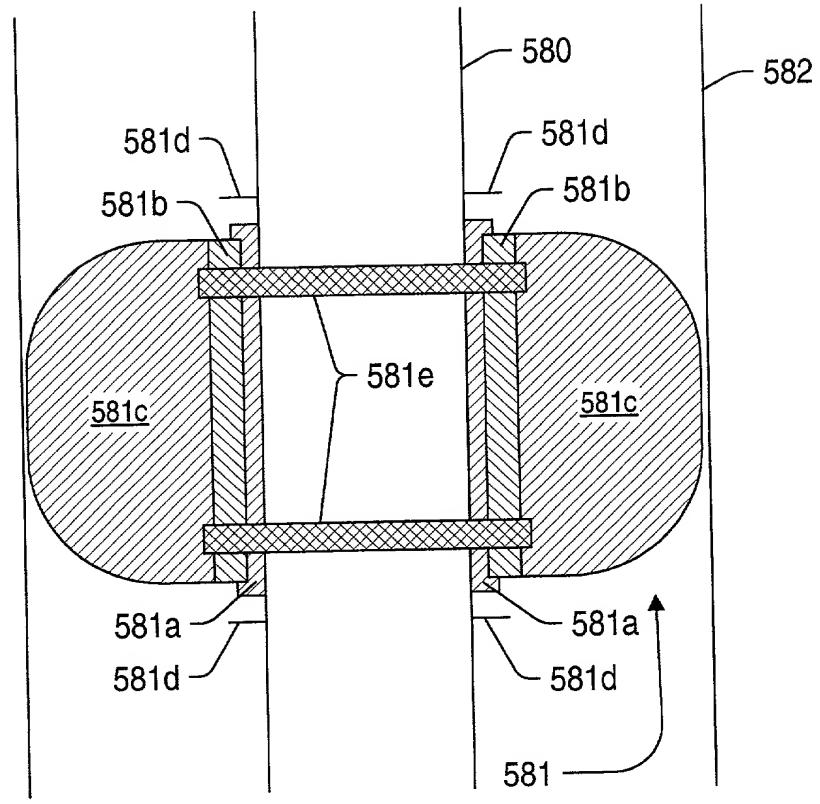


FIG. 22

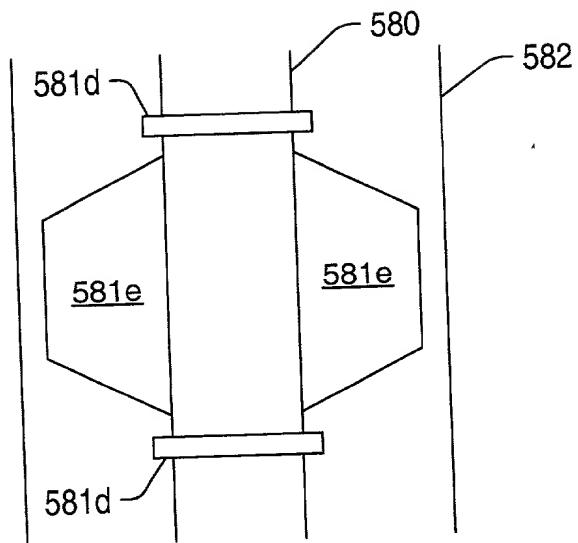


FIG. 23a

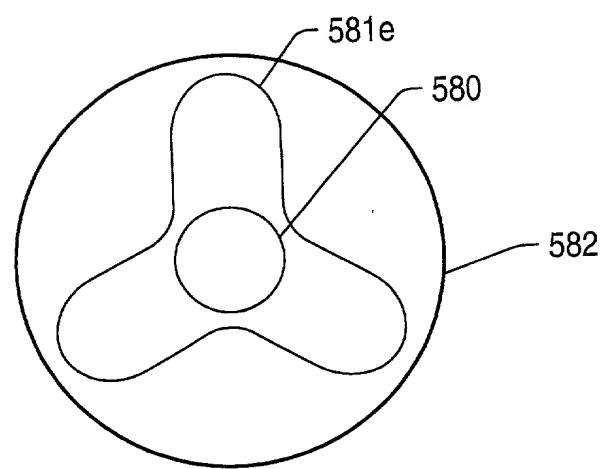


FIG. 23b

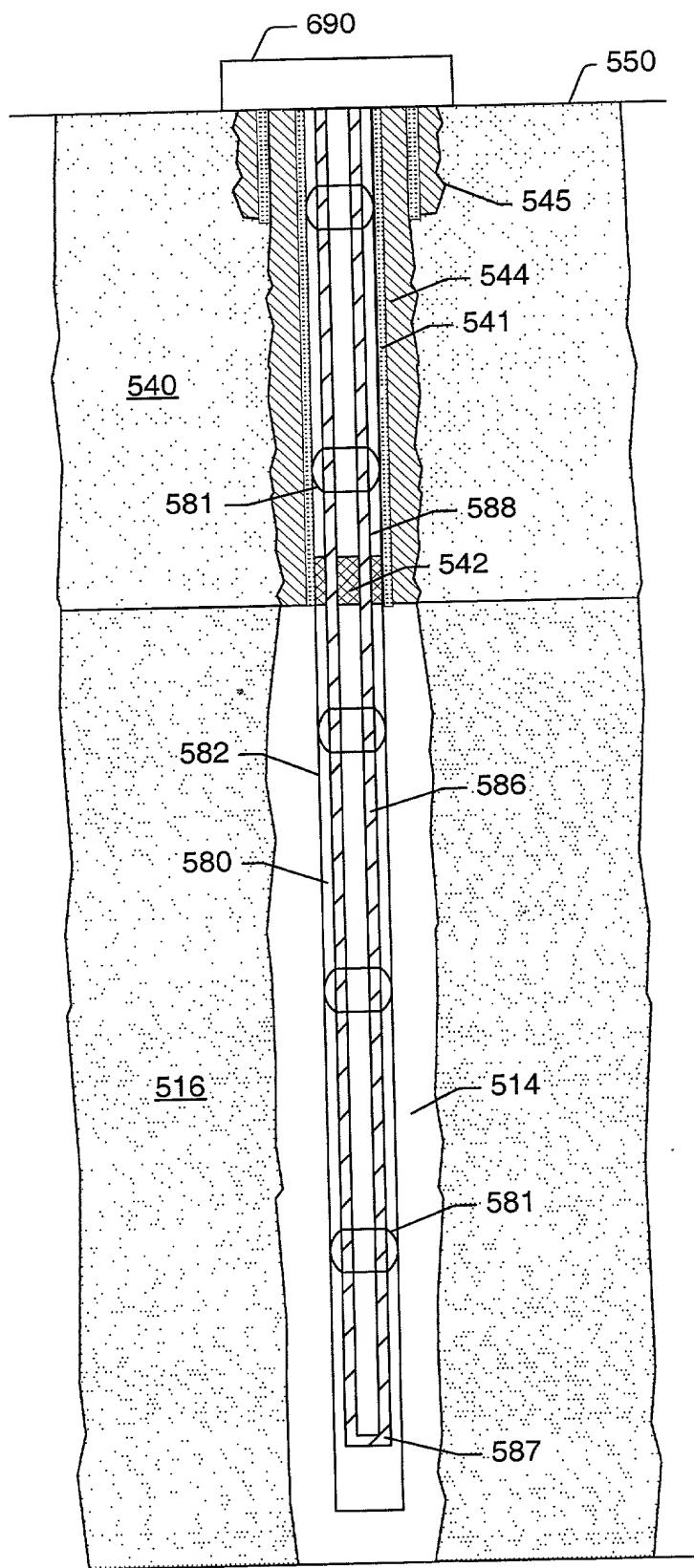


Fig. 24

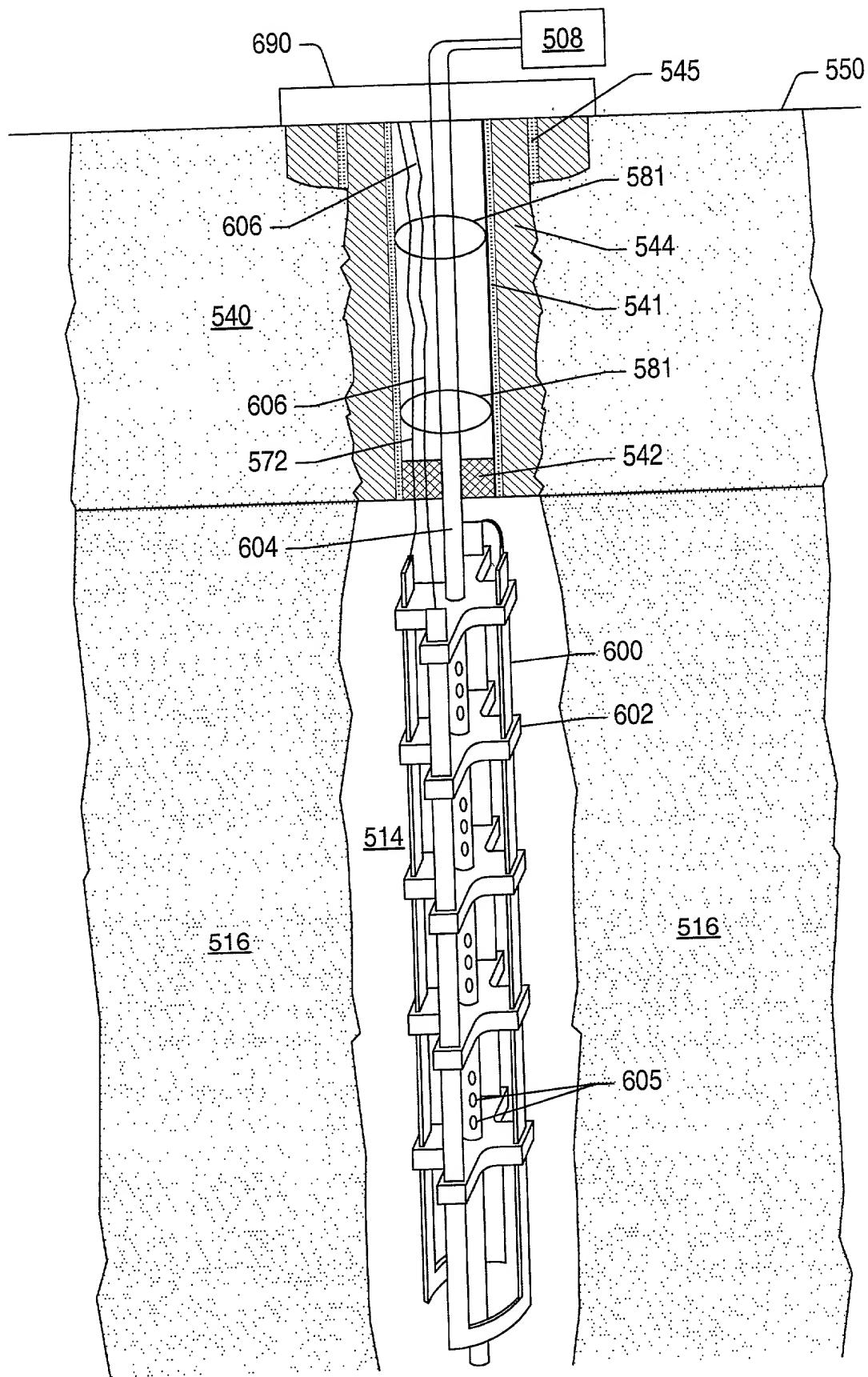


FIG. 25

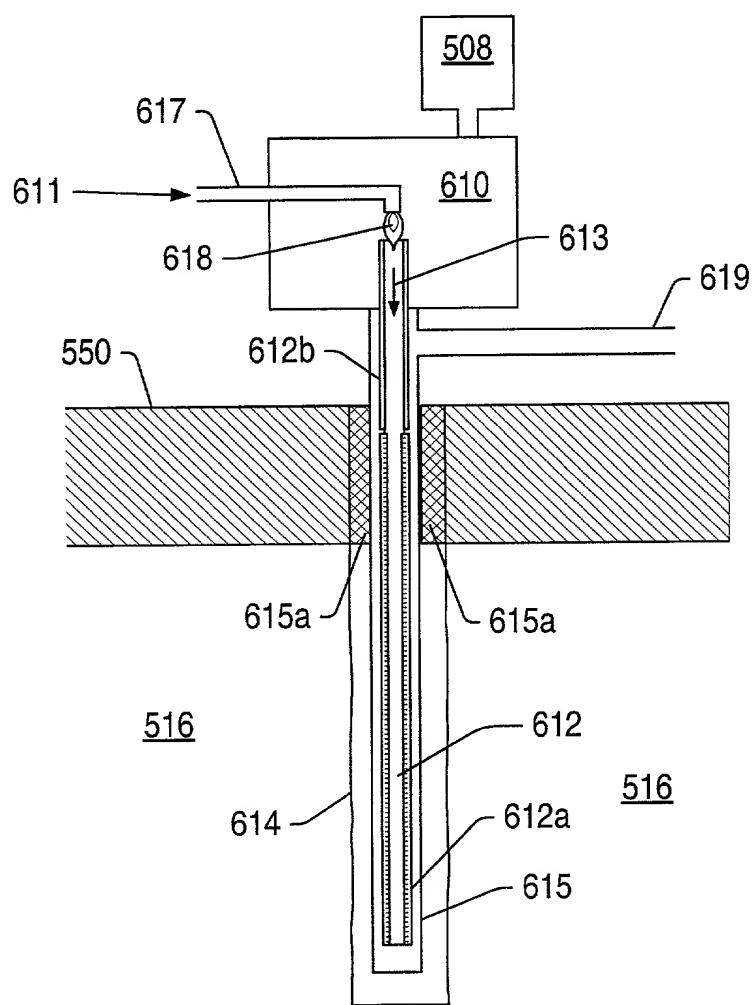


FIG. 26

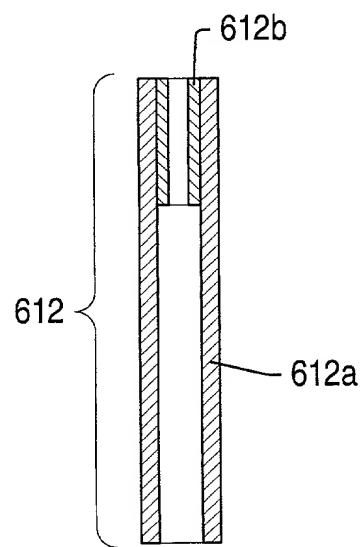


FIG. 27

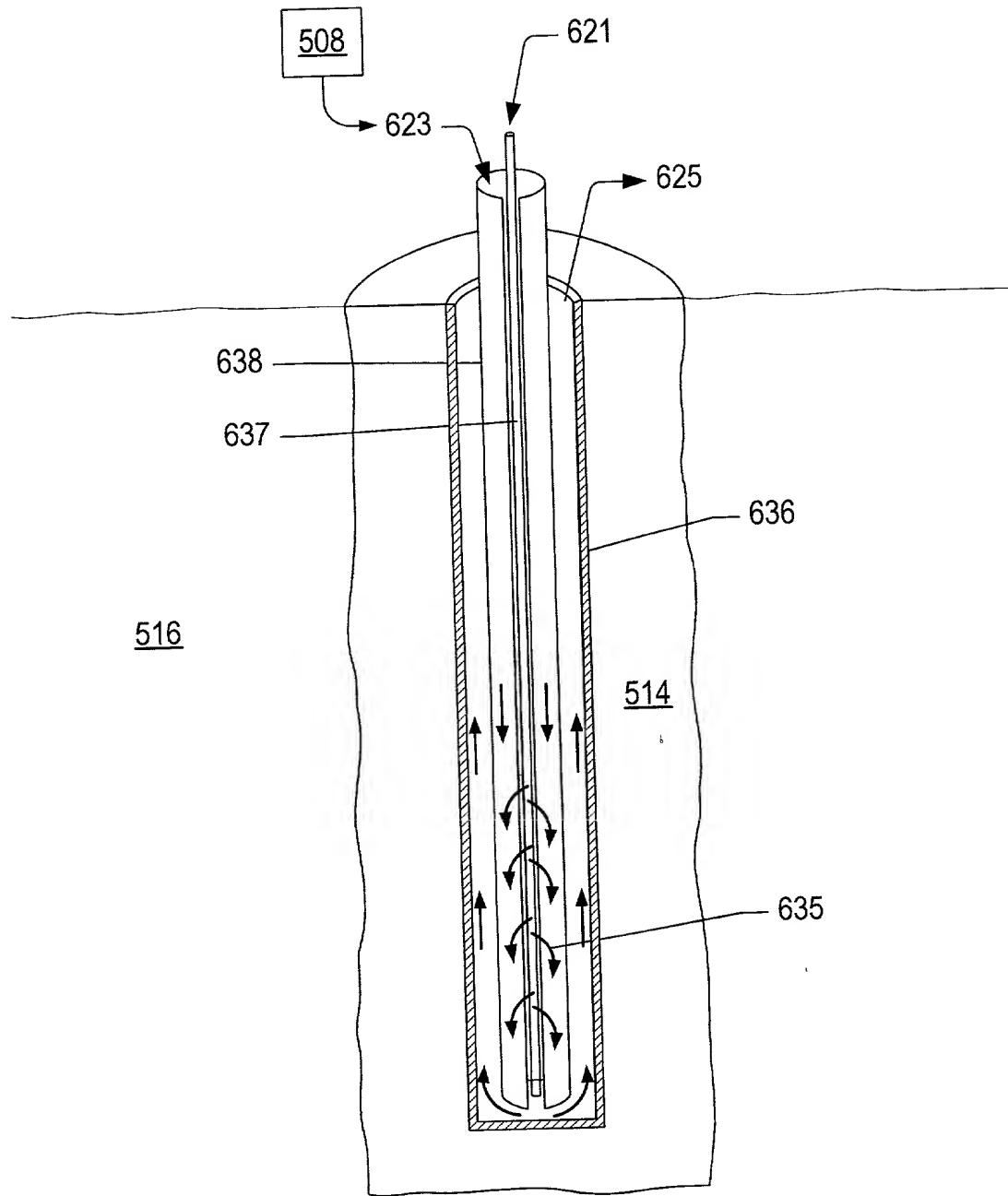


FIG. 28

FIG. 29

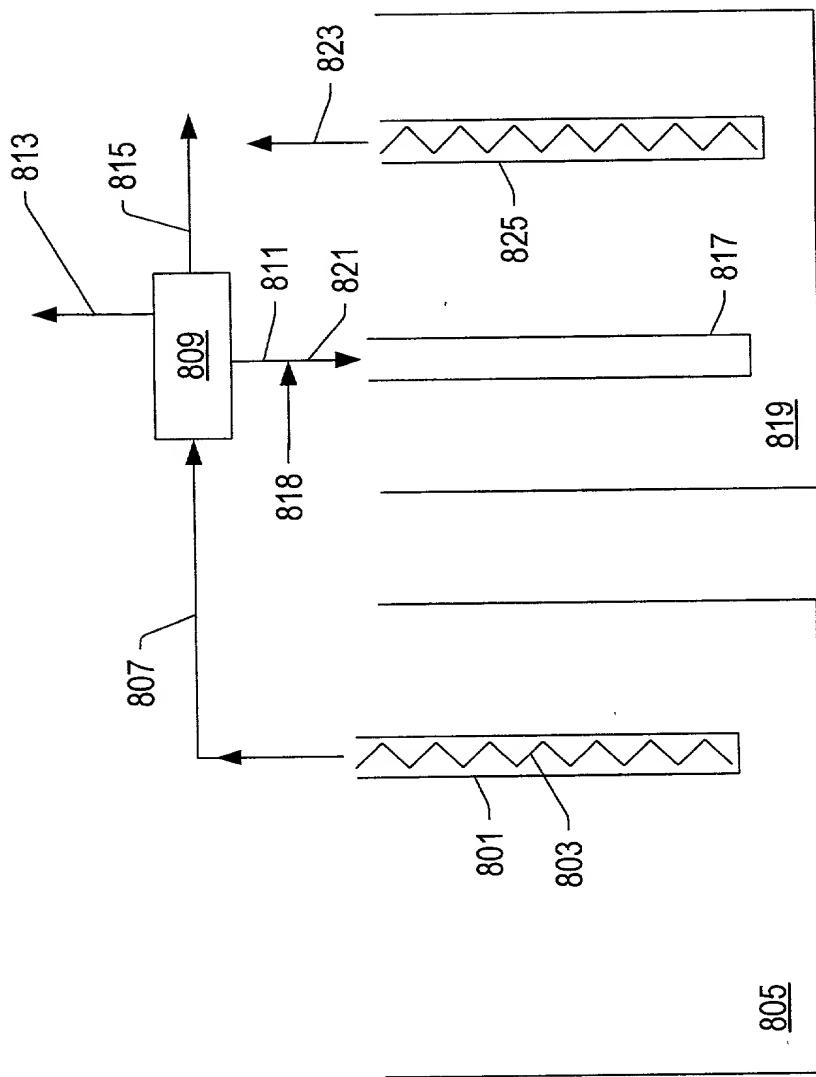
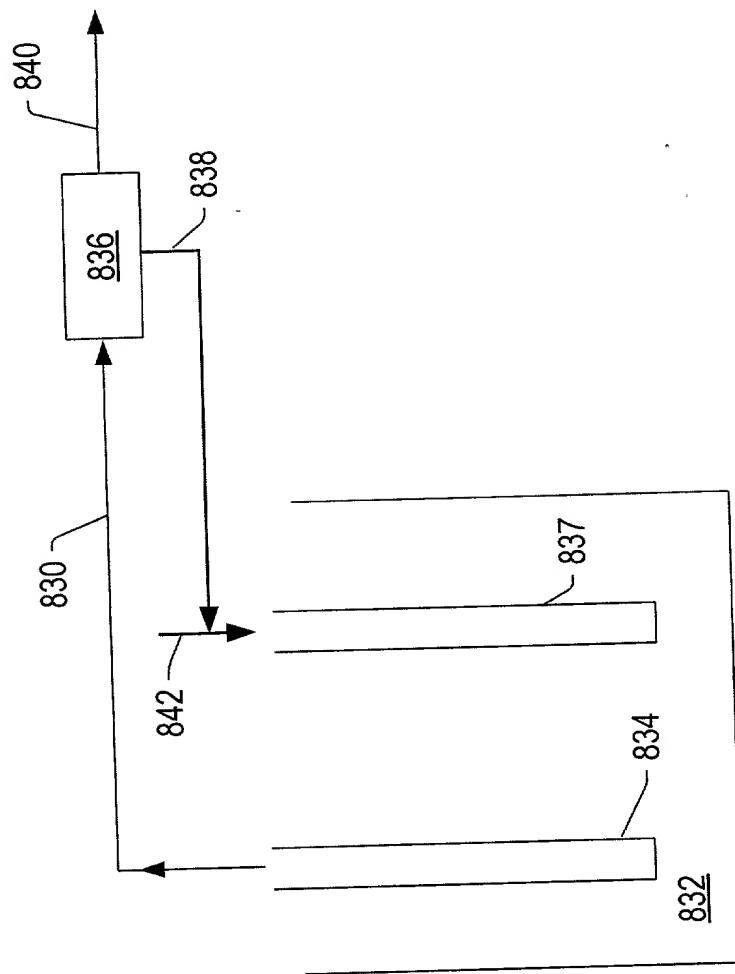


FIG. 30



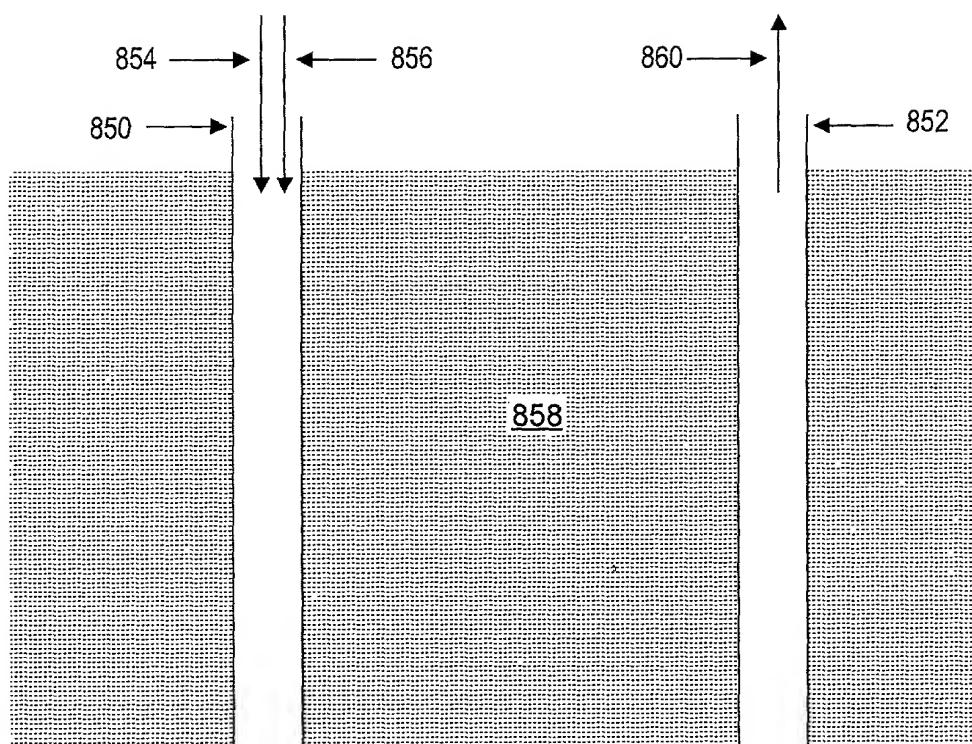


FIG. 31

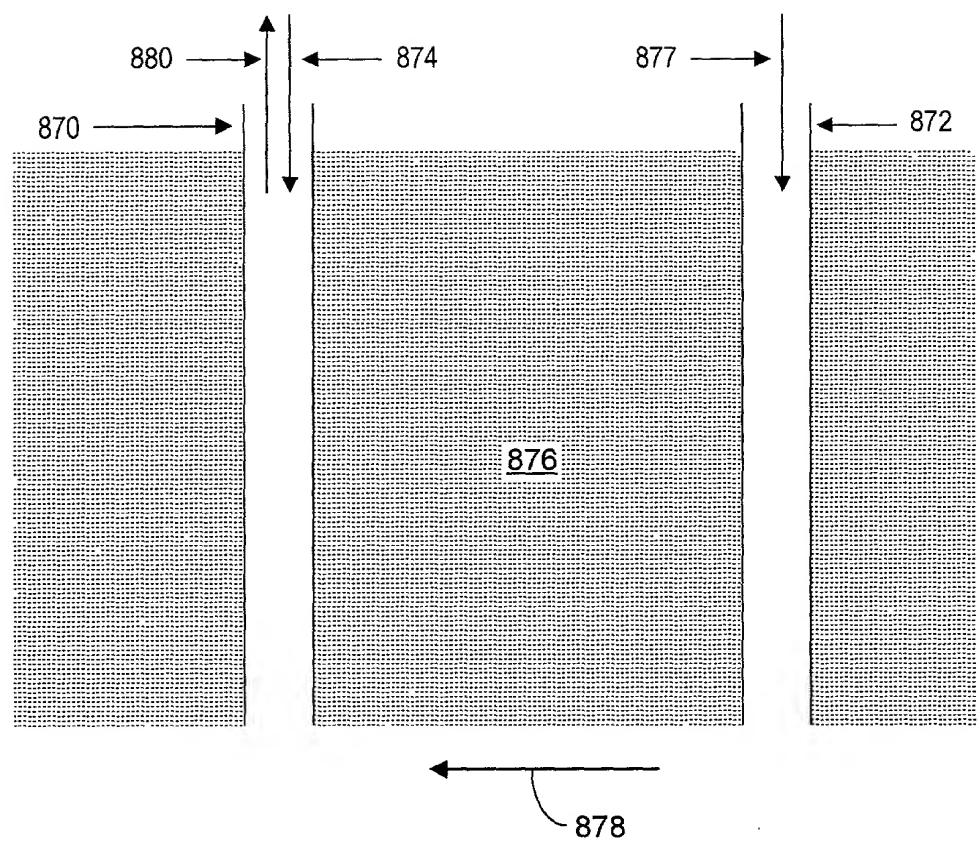


FIG. 32

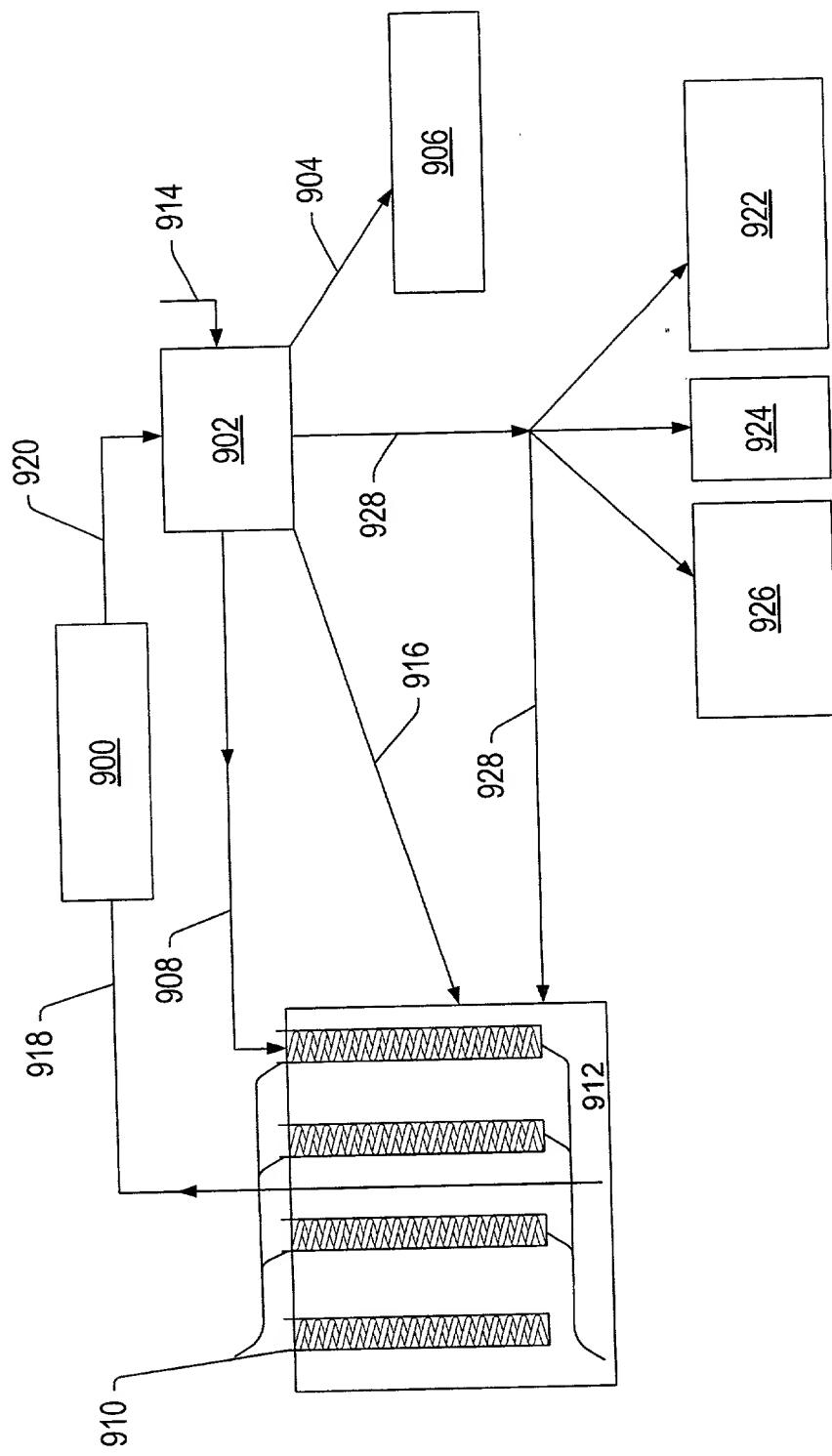


FIG. 33

FIG. 34

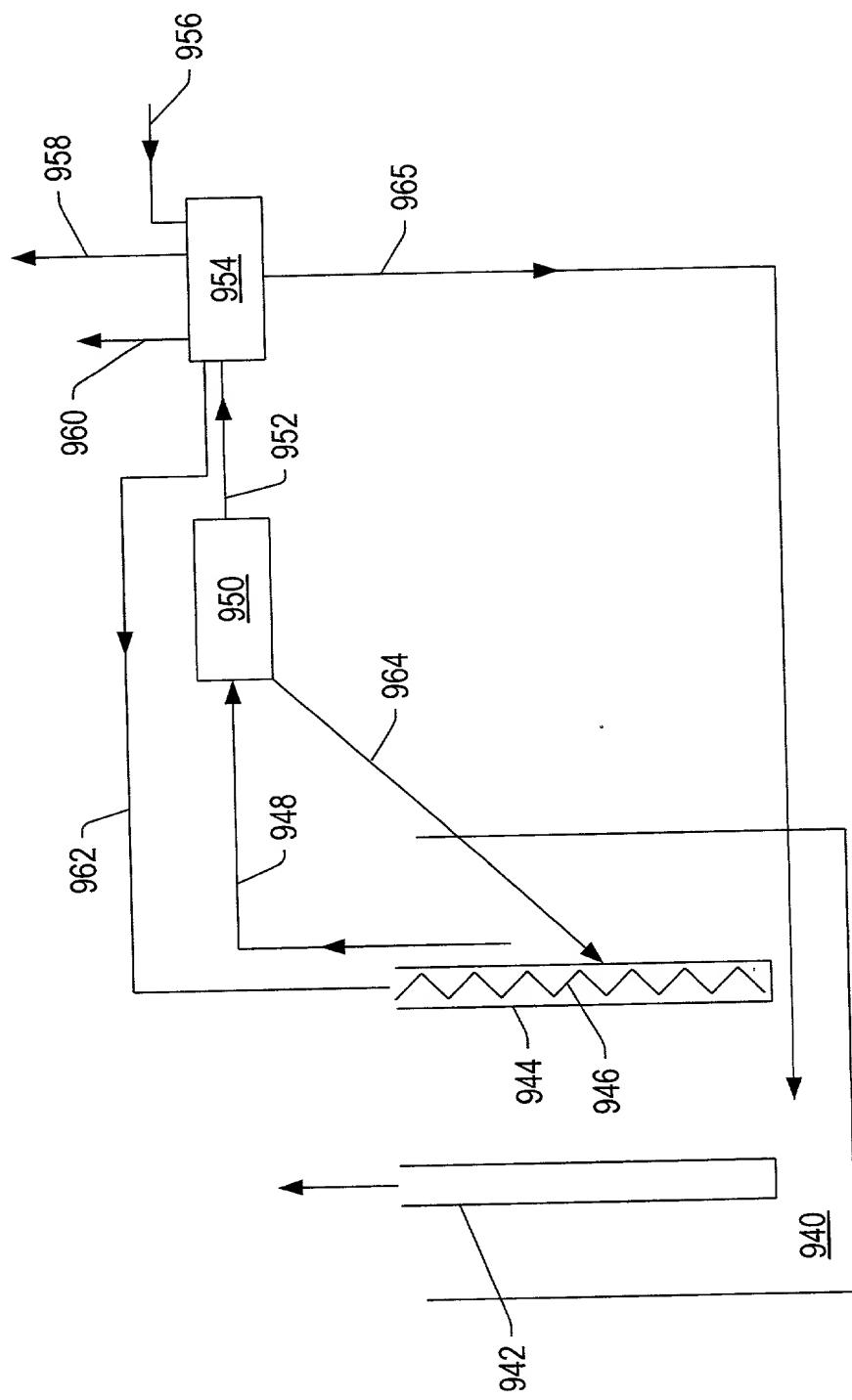
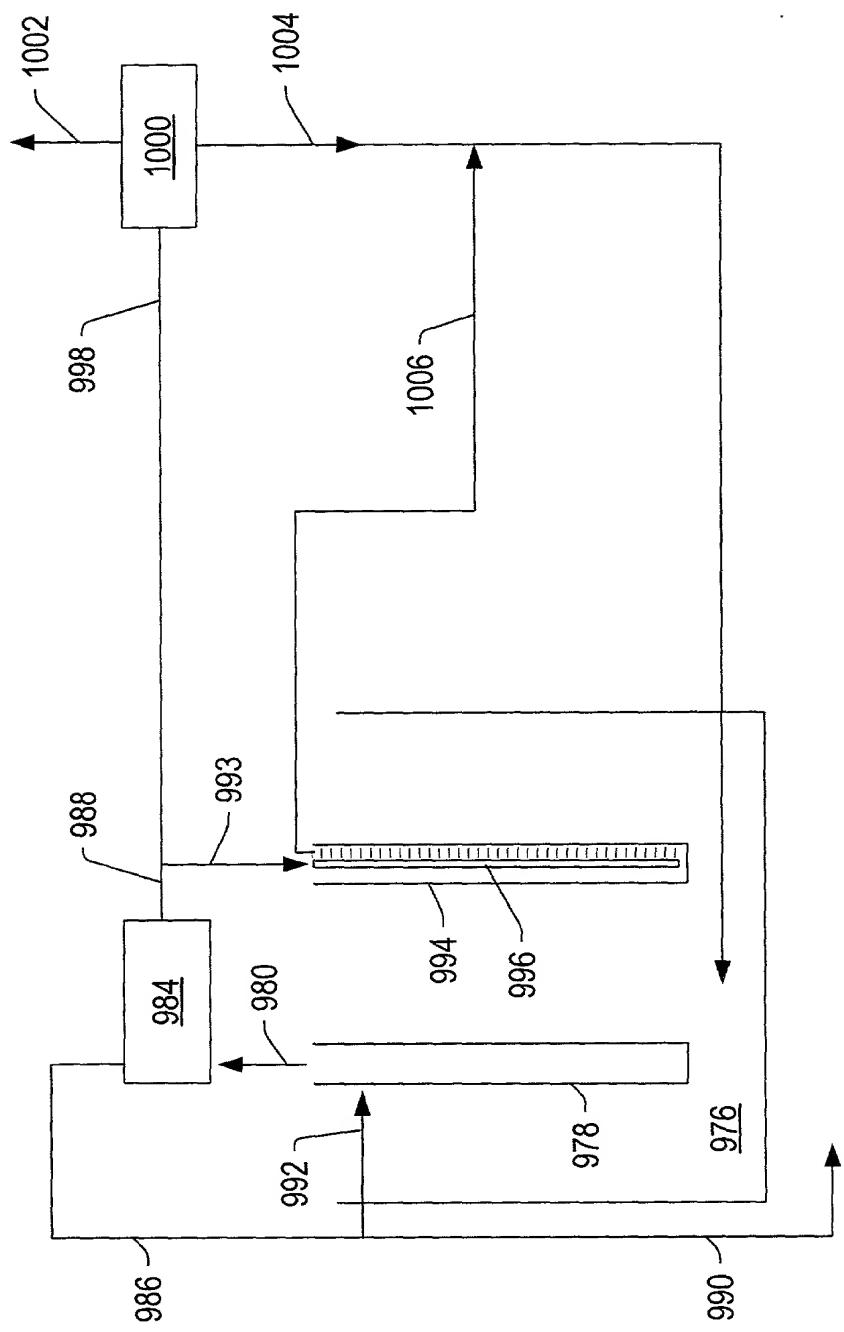


FIG. 35



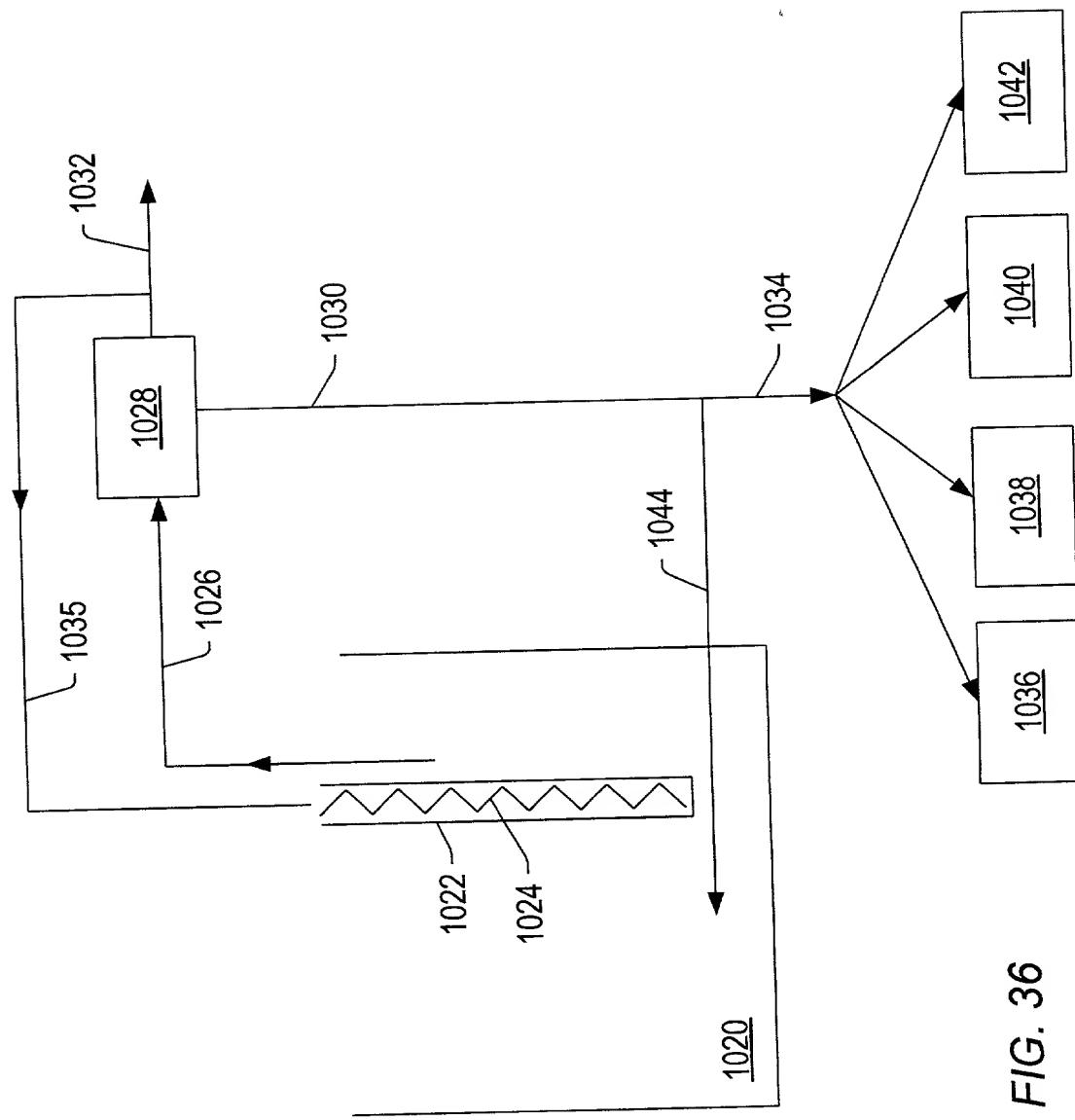
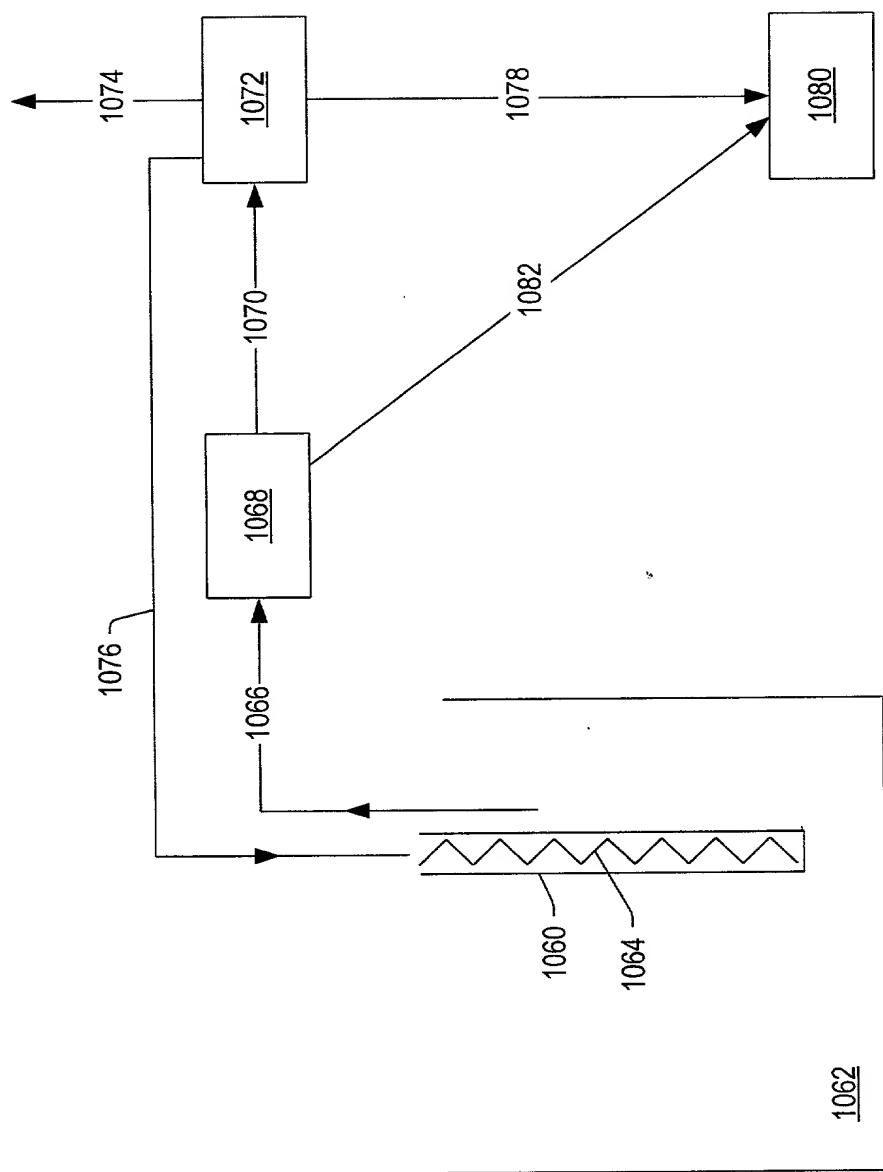


FIG. 36

FIG. 37



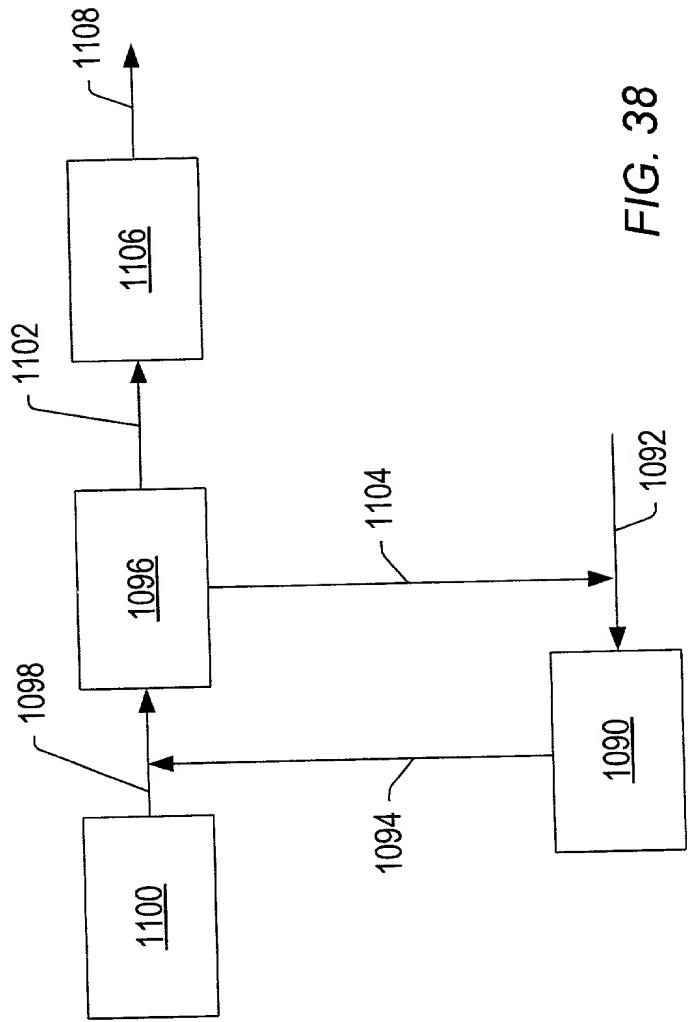


FIG. 38

FIG. 39

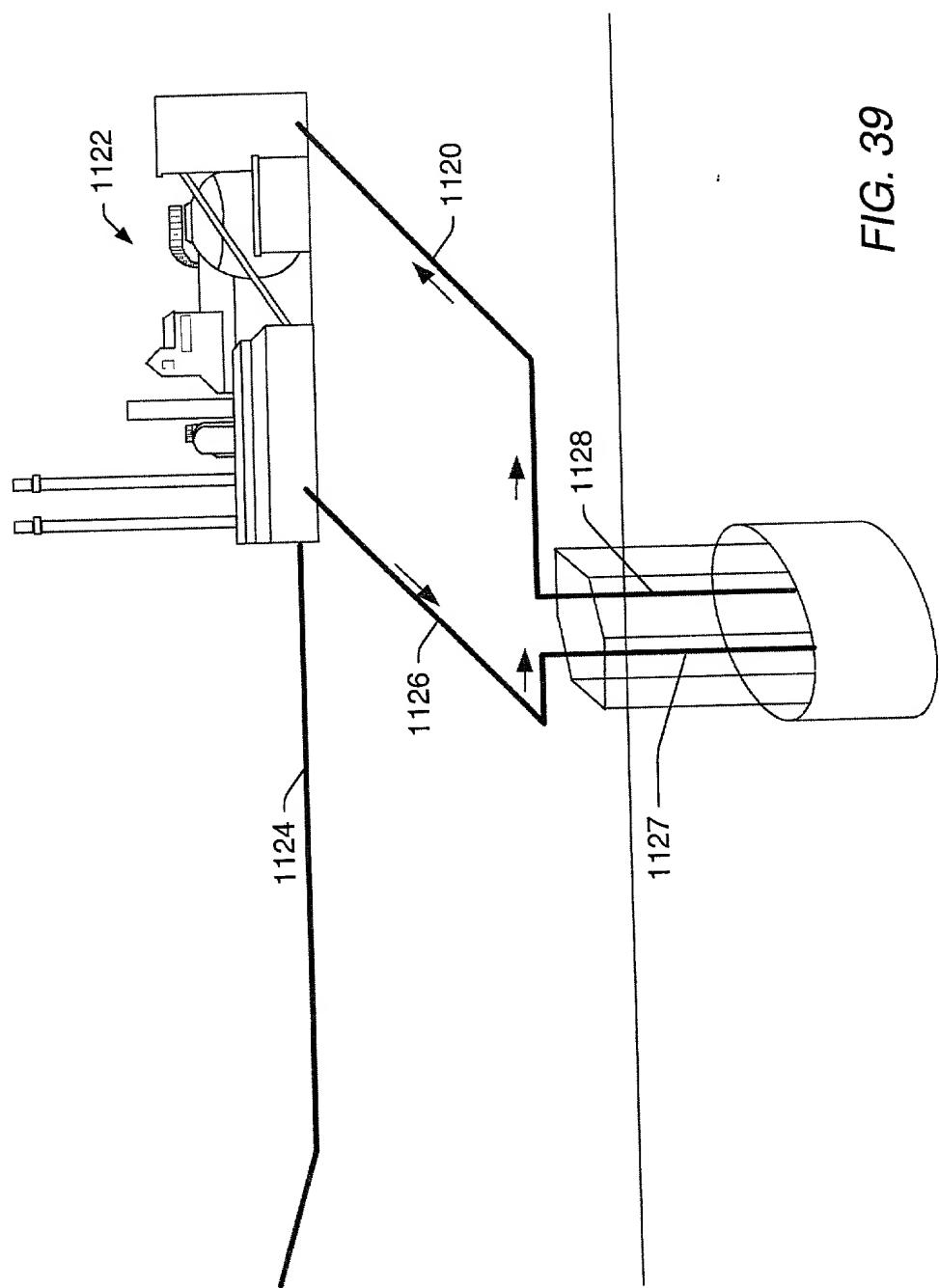


FIG. 40

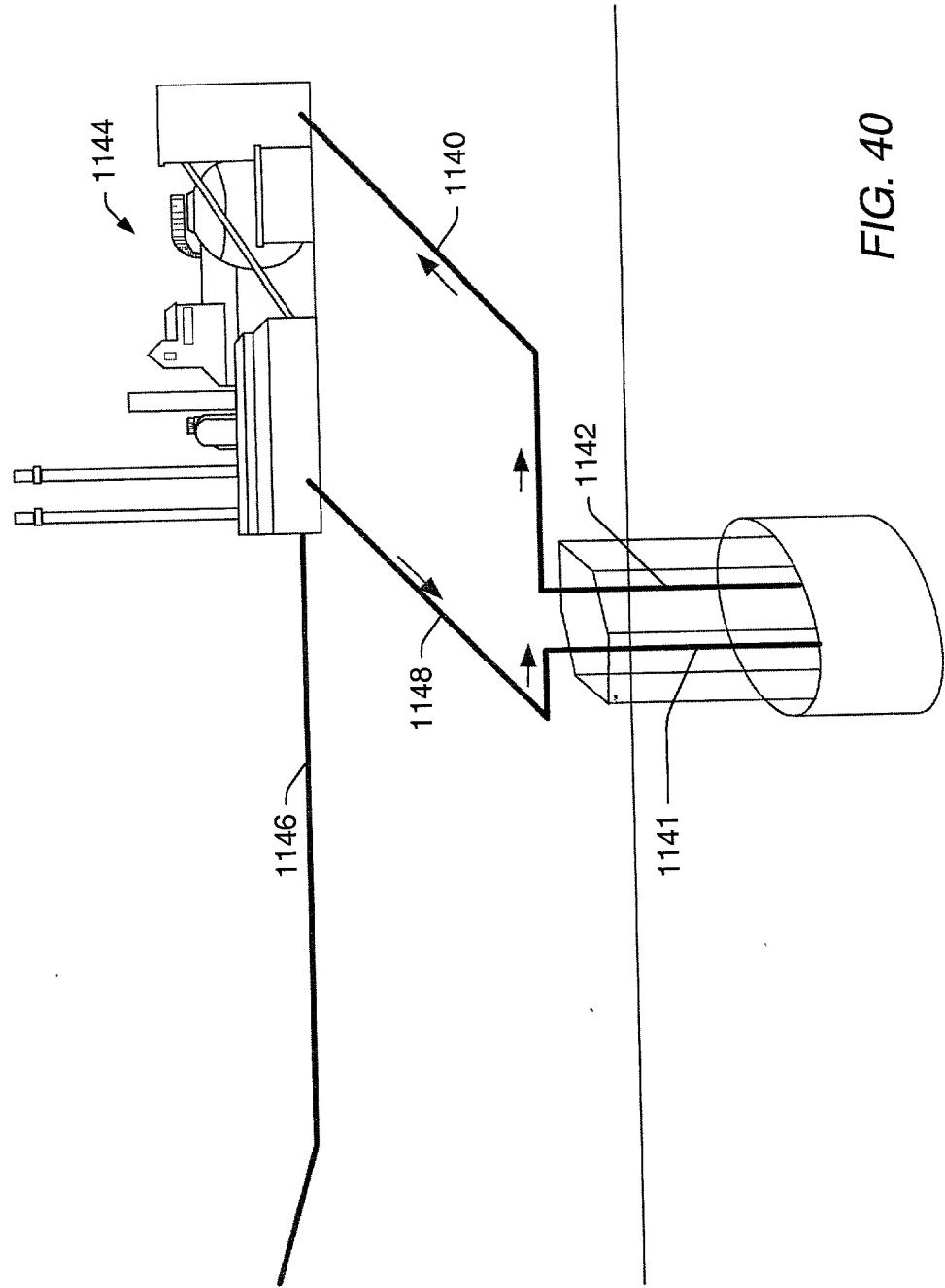
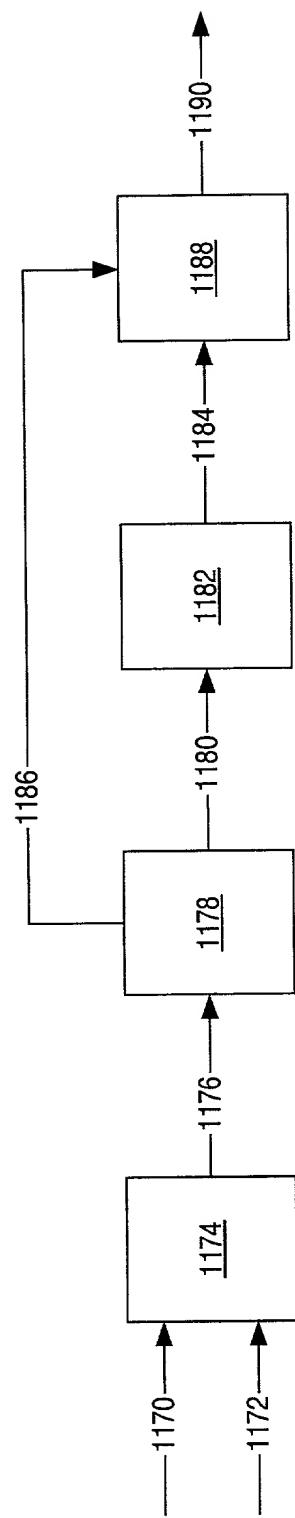


FIG. 41



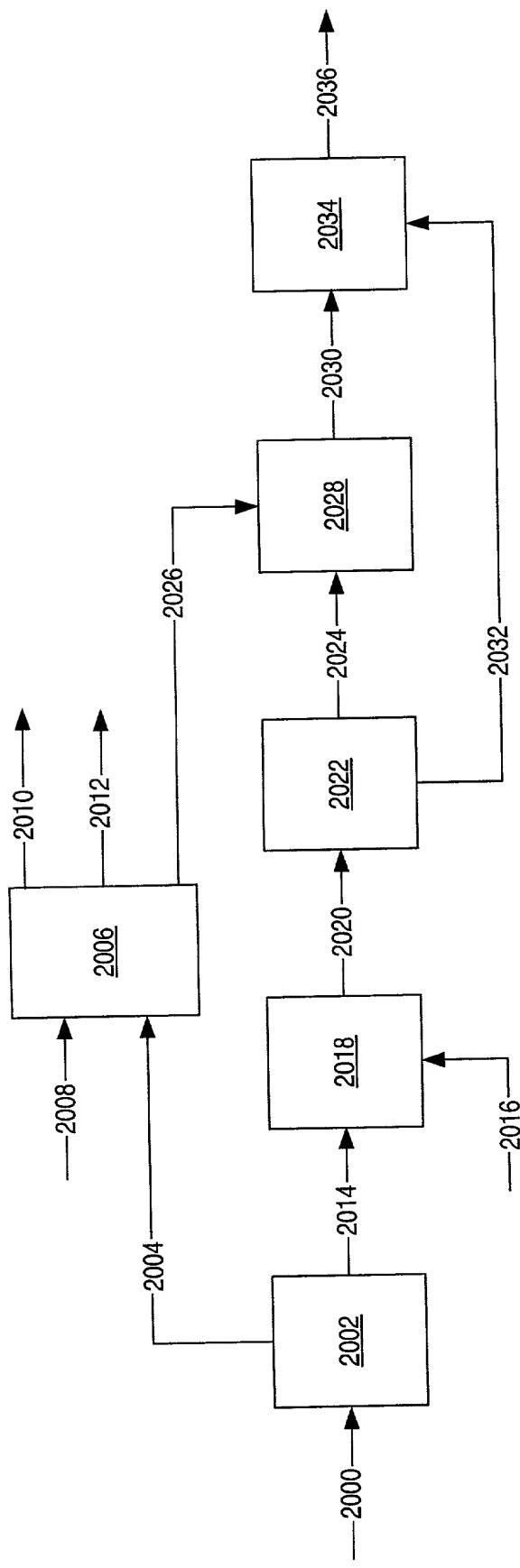
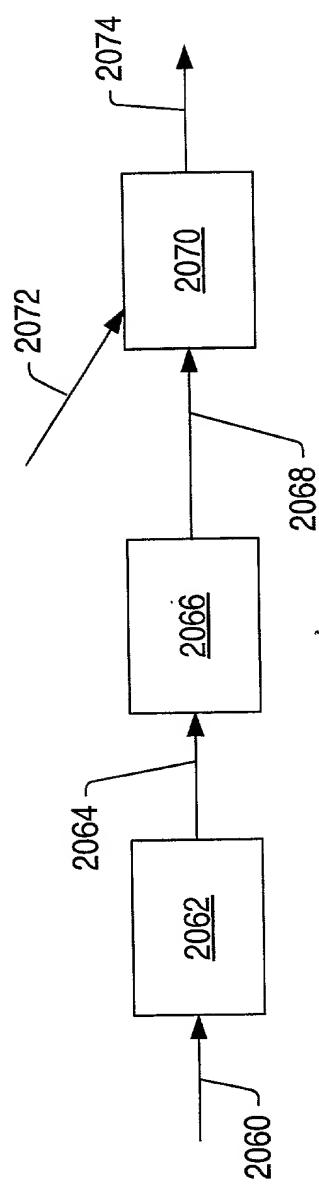


FIG. 42

FIG. 43



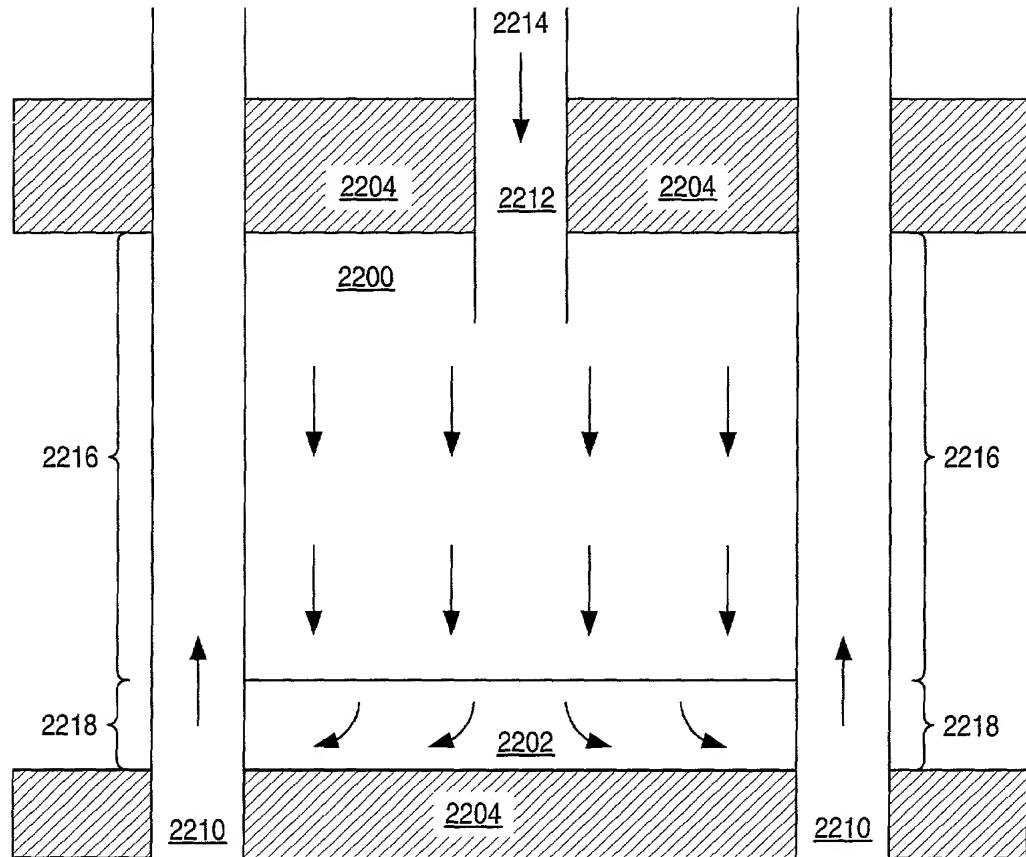


FIG. 44

FIG. 45

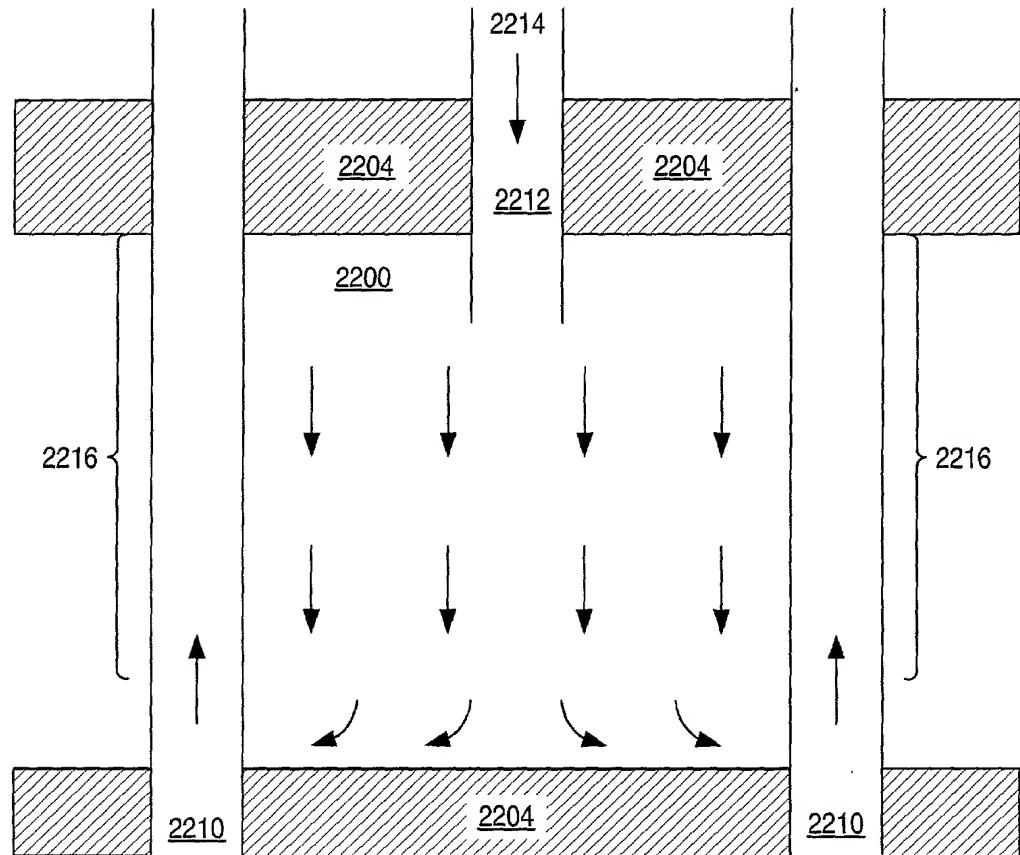


FIG. 45

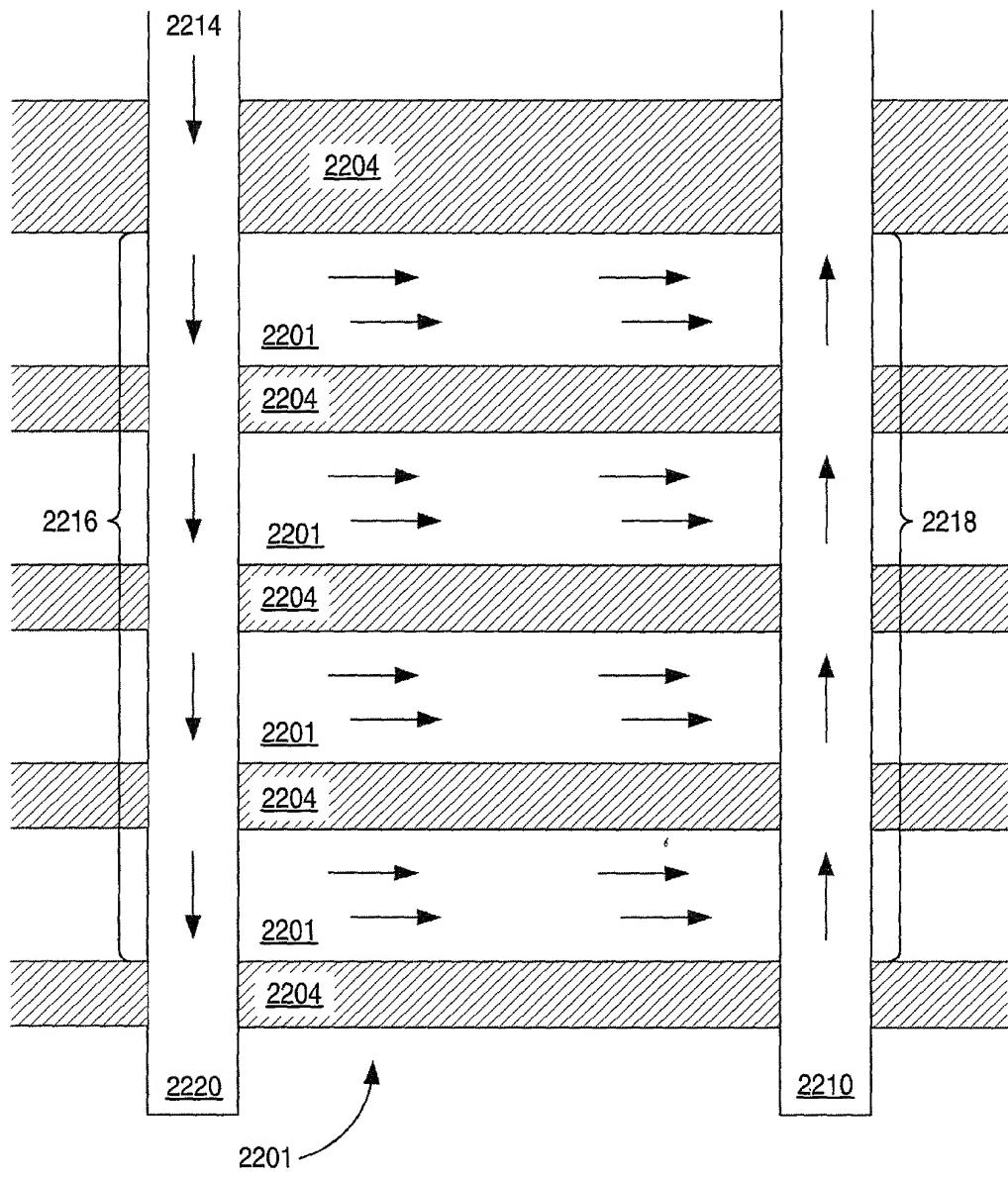
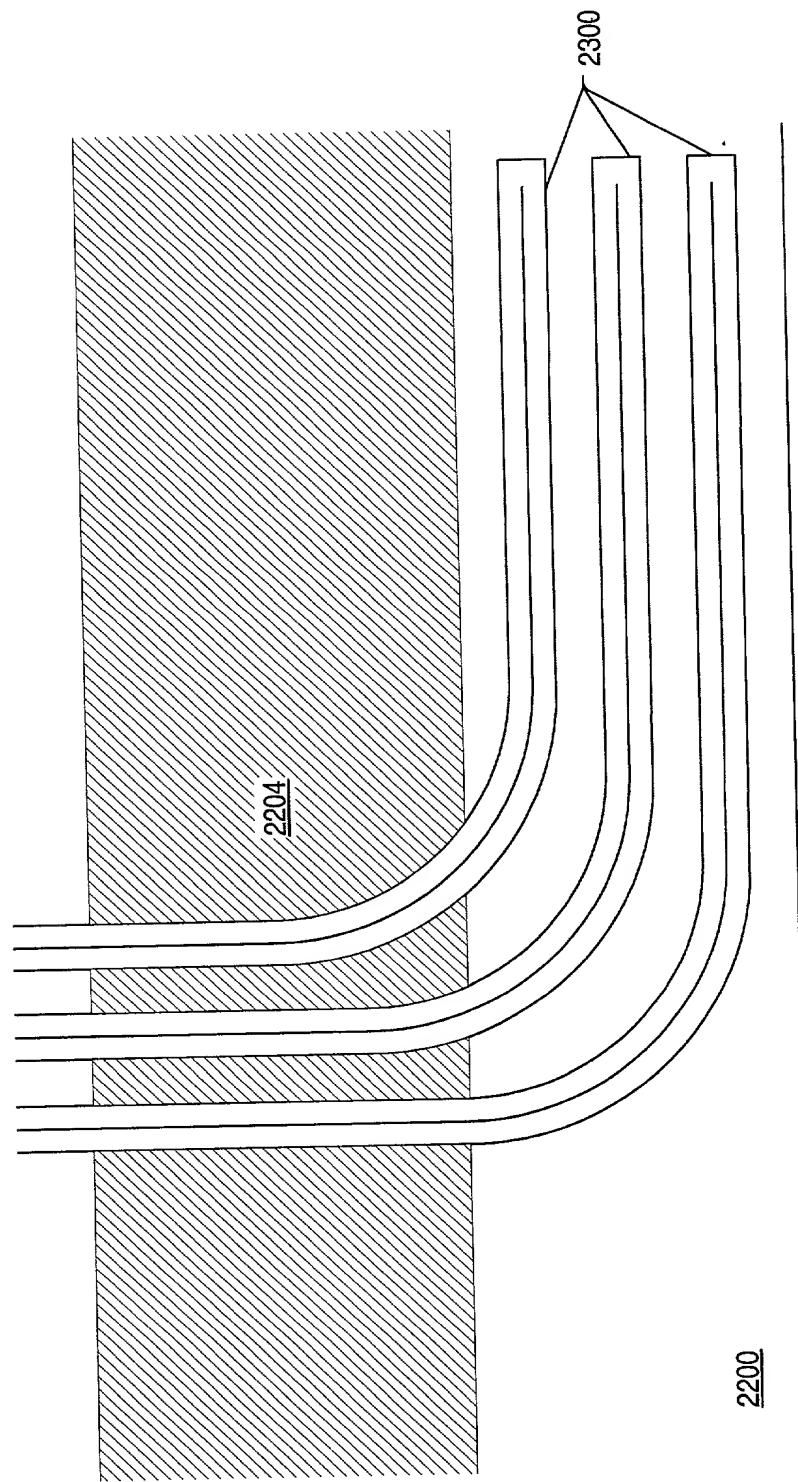


FIG. 46

FIG. 47



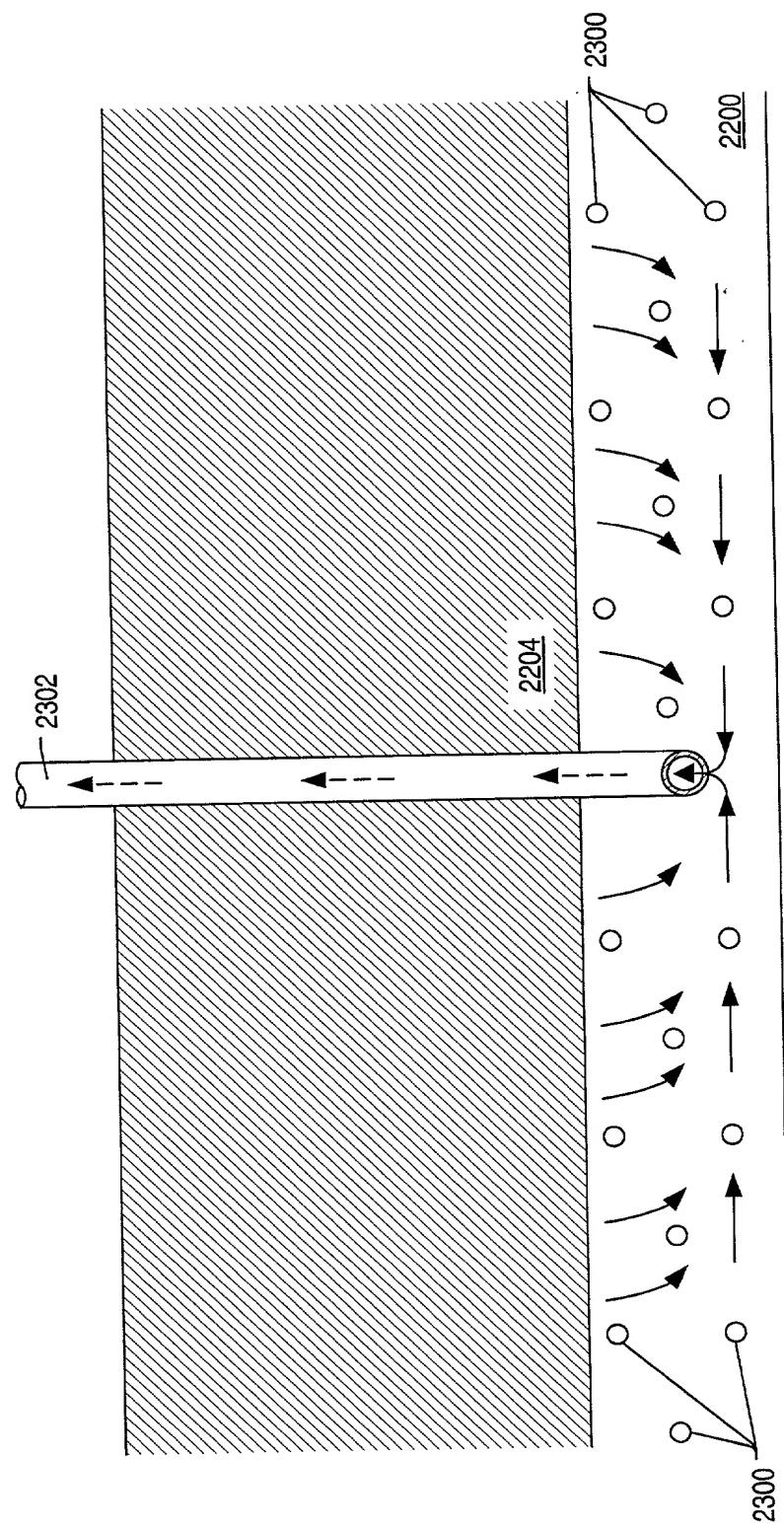


FIG. 48

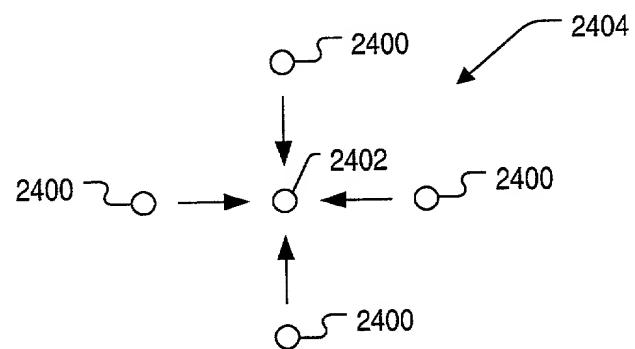


FIG. 49

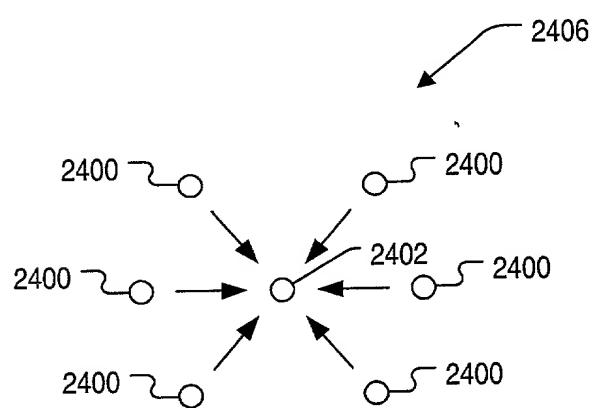


FIG. 50

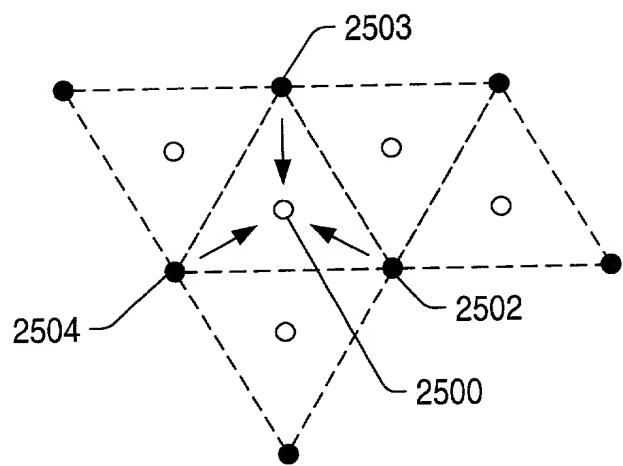


FIG. 51

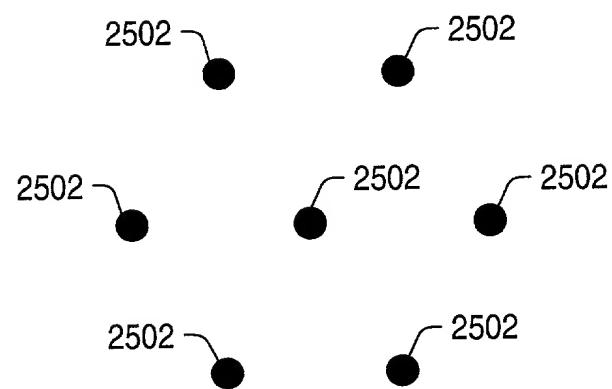


FIG. 52

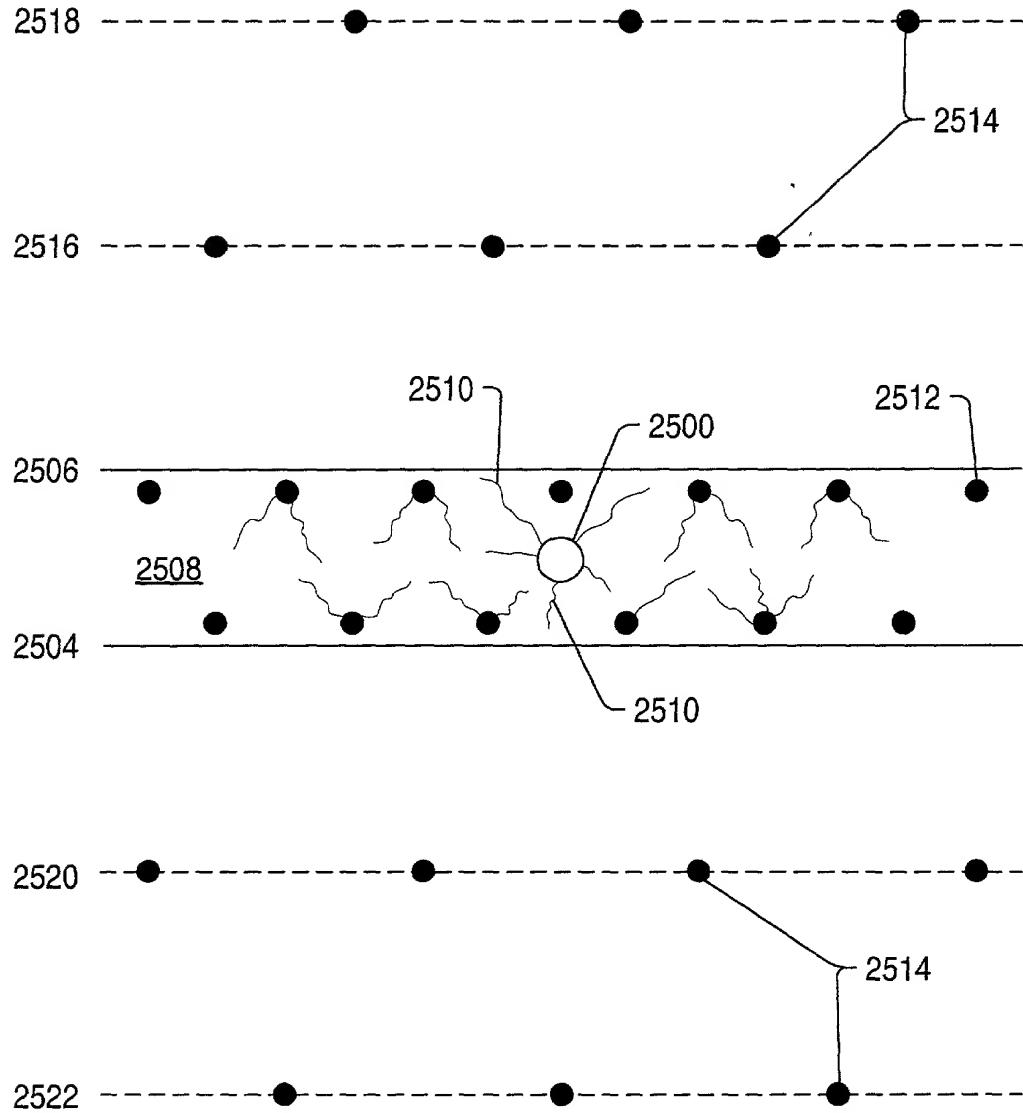


FIG. 53

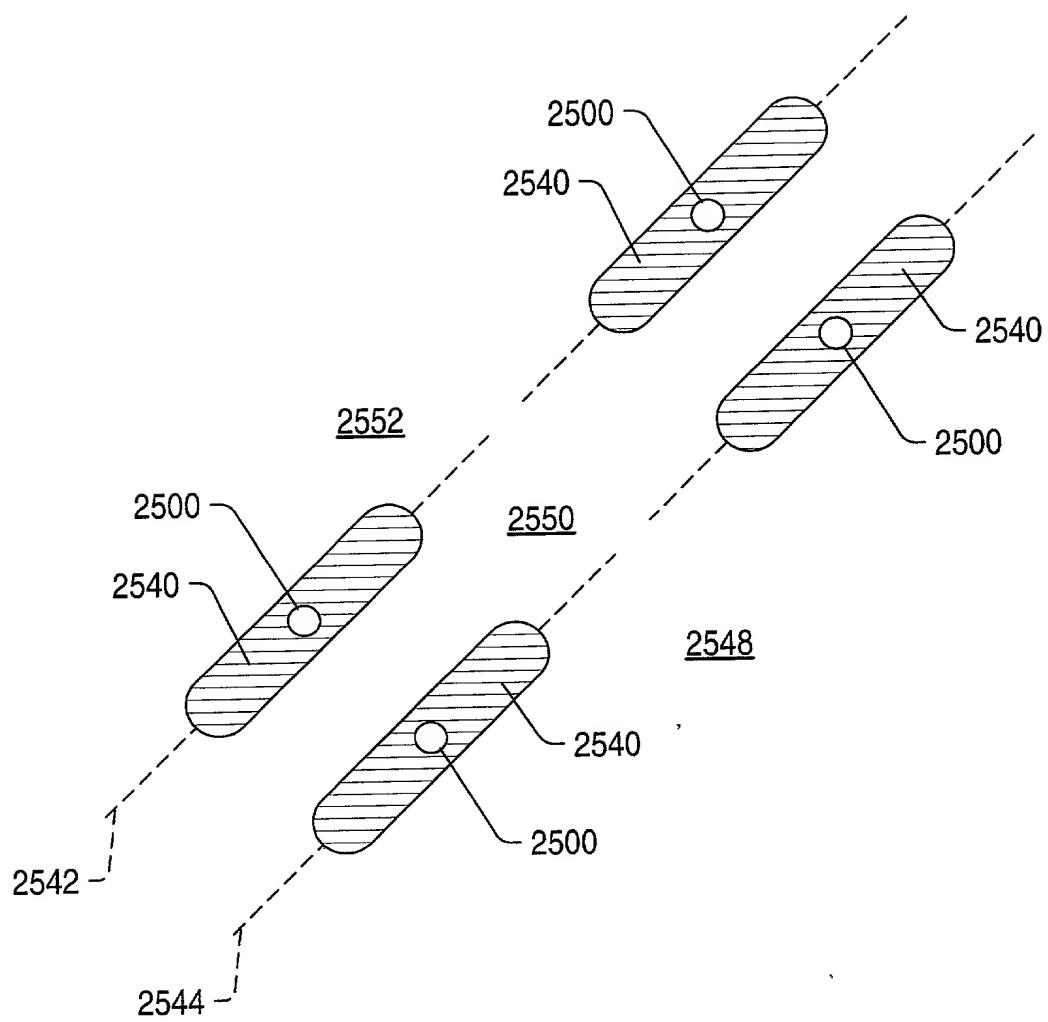


FIG. 54

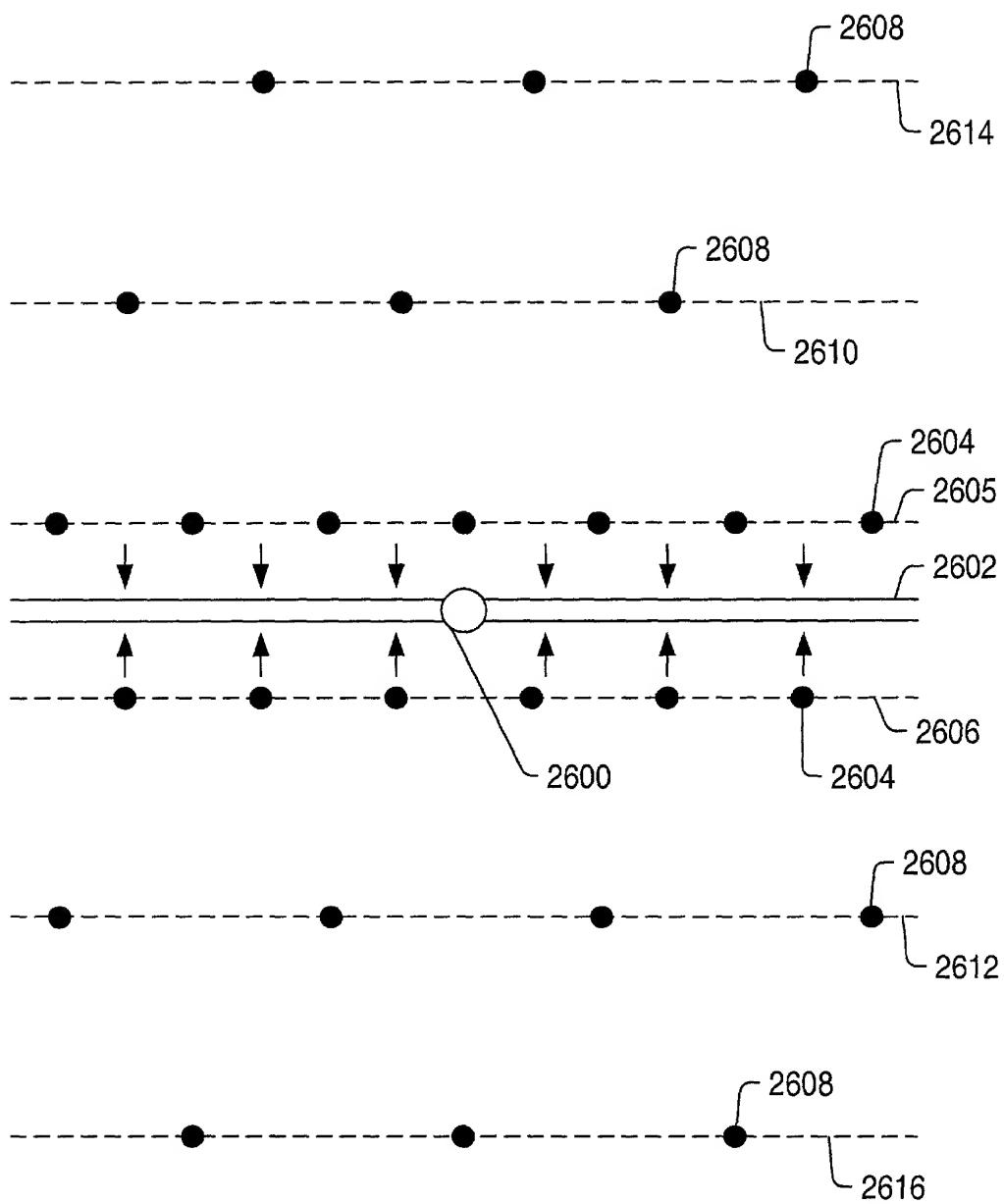


FIG. 55

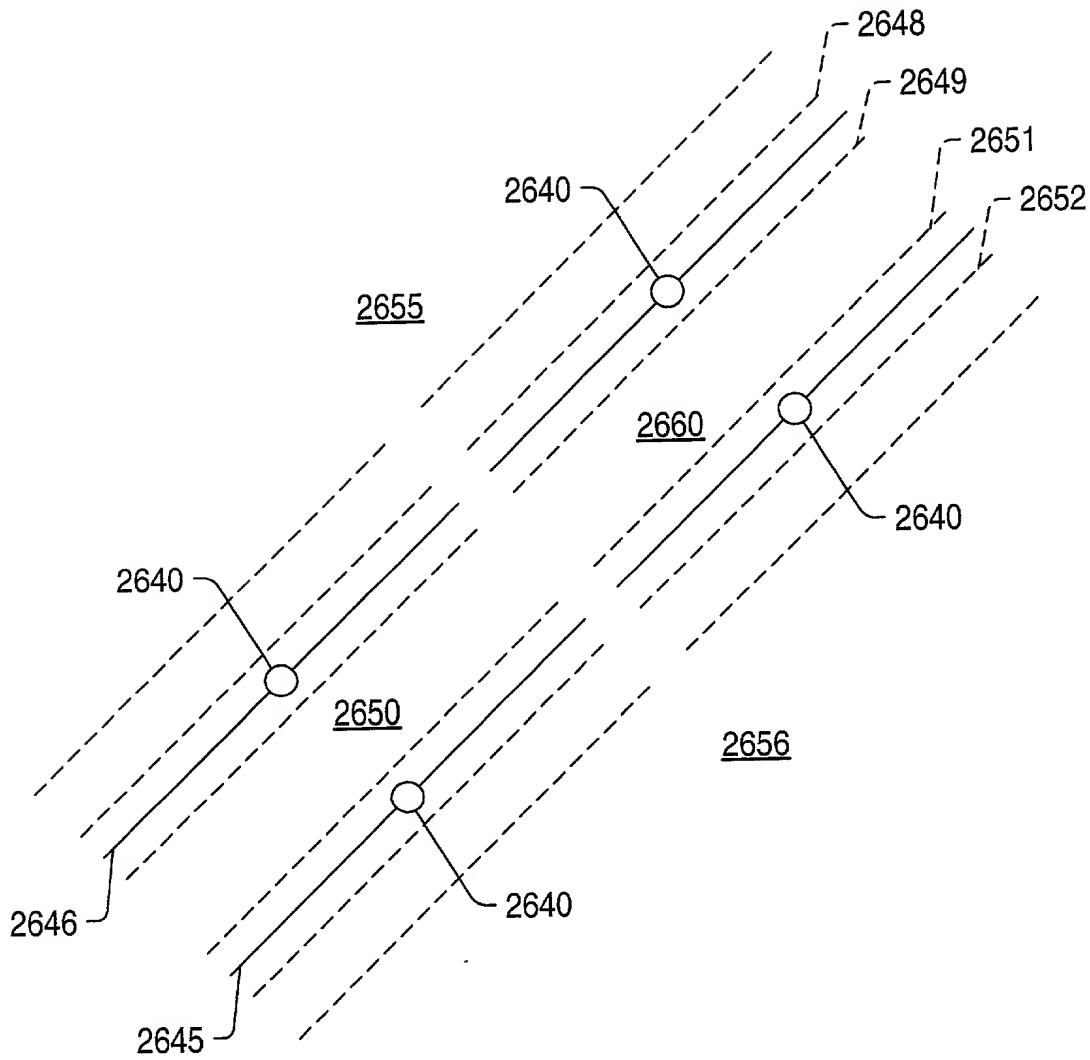


FIG. 56

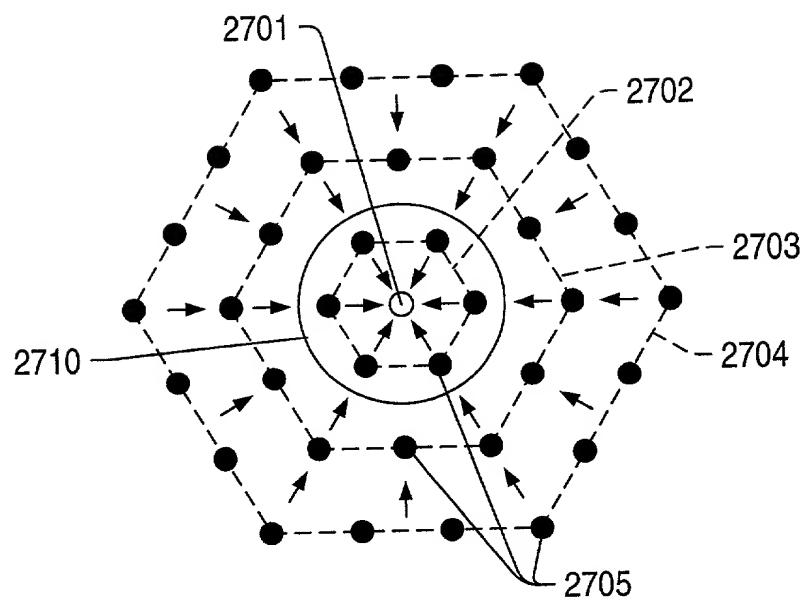


FIG. 57

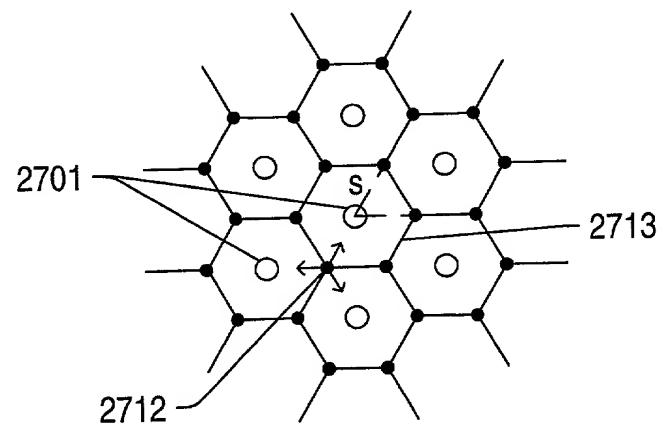


FIG. 58

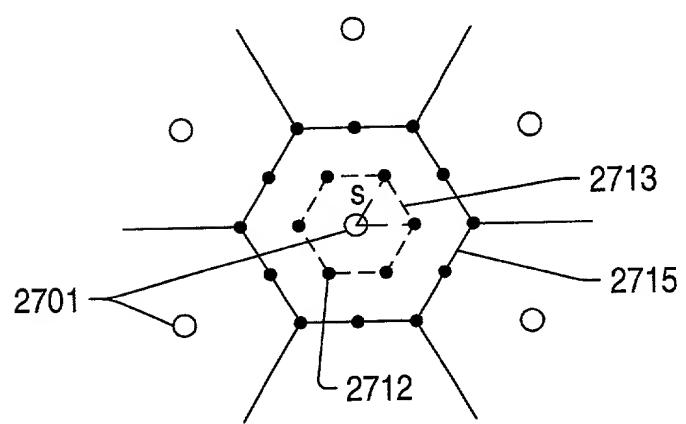


FIG. 59

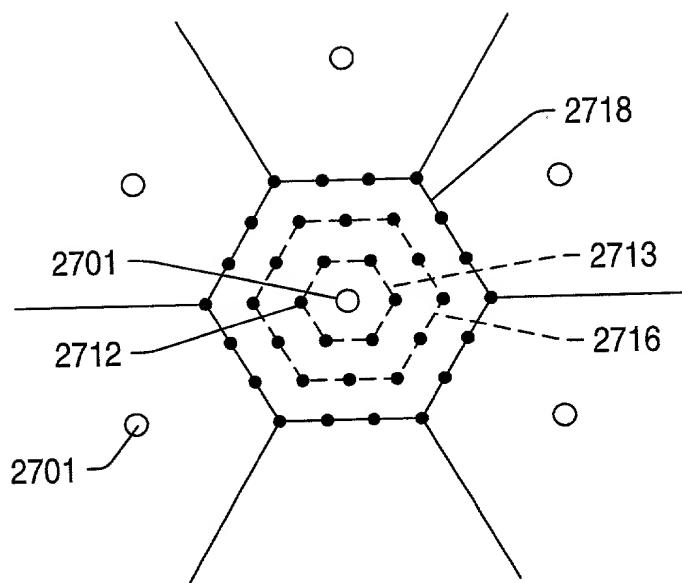


FIG. 60

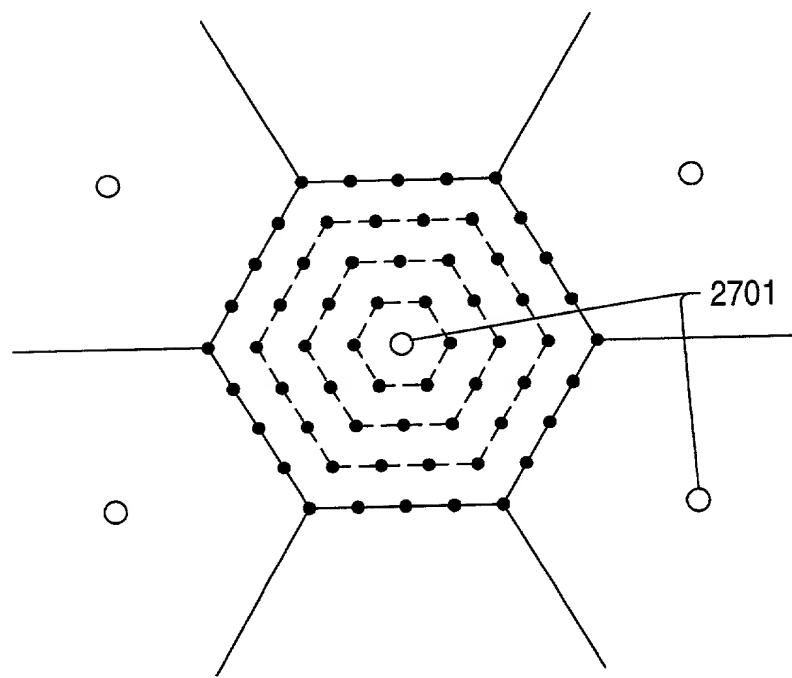


FIG. 61

000000000000000000000000

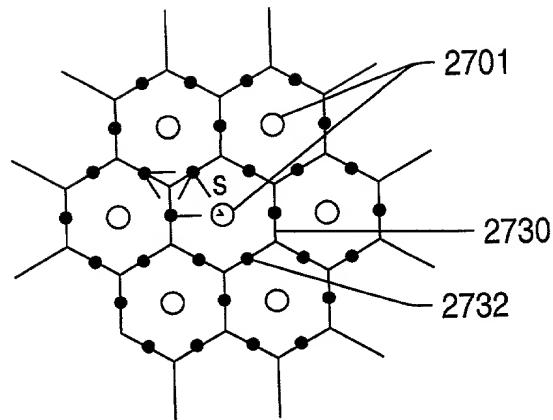


FIG. 62

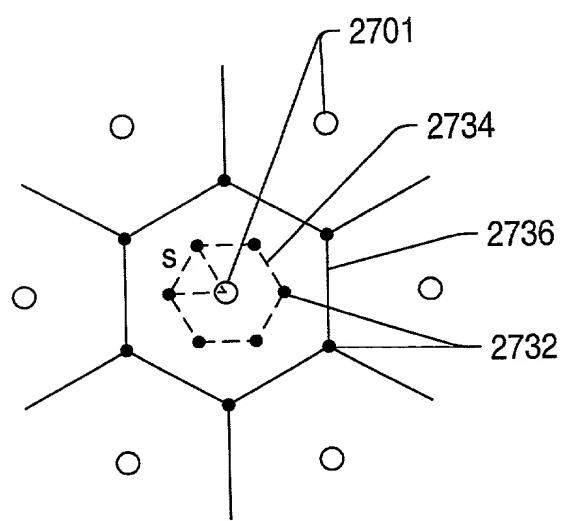


FIG. 63

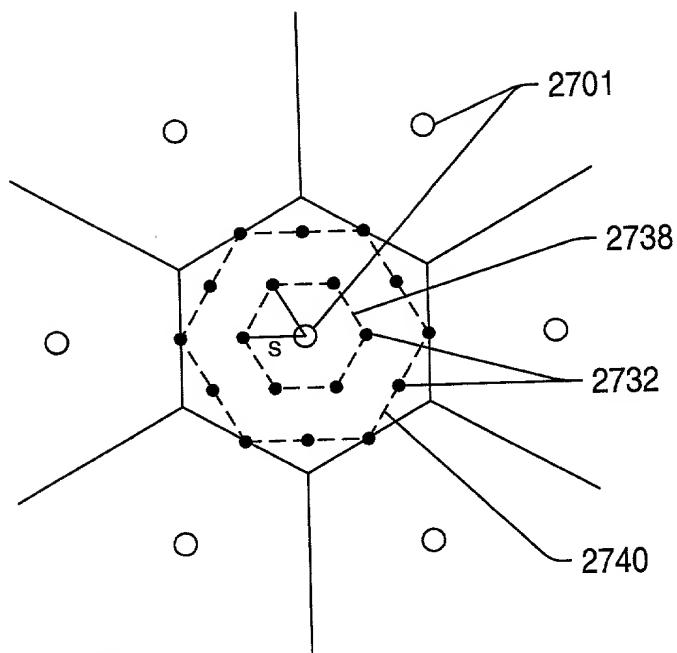


FIG. 64

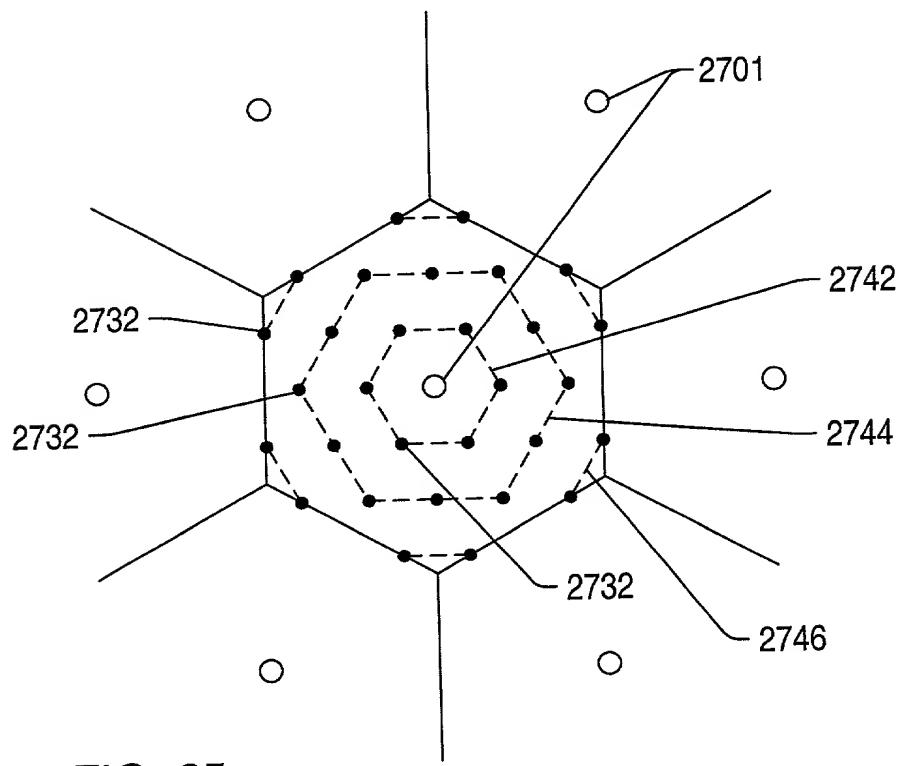


FIG. 65

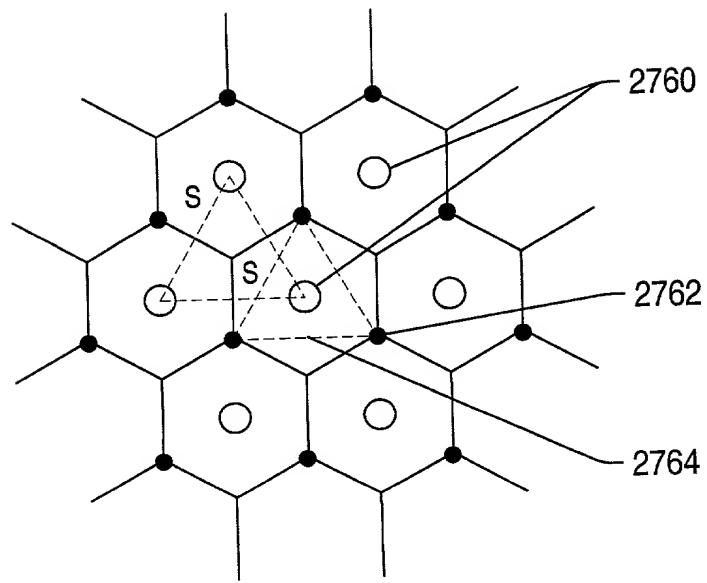


FIG. 66

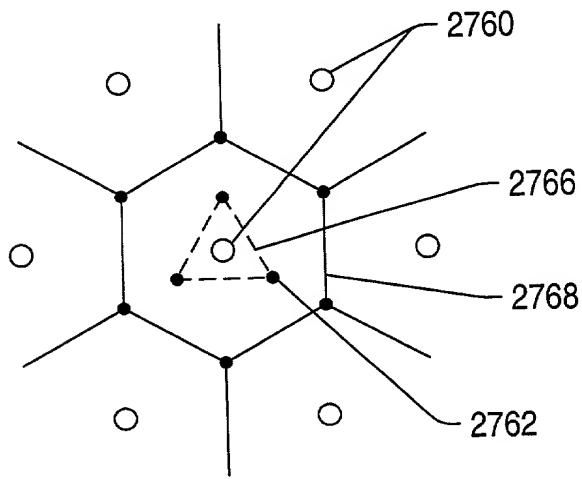


FIG. 67

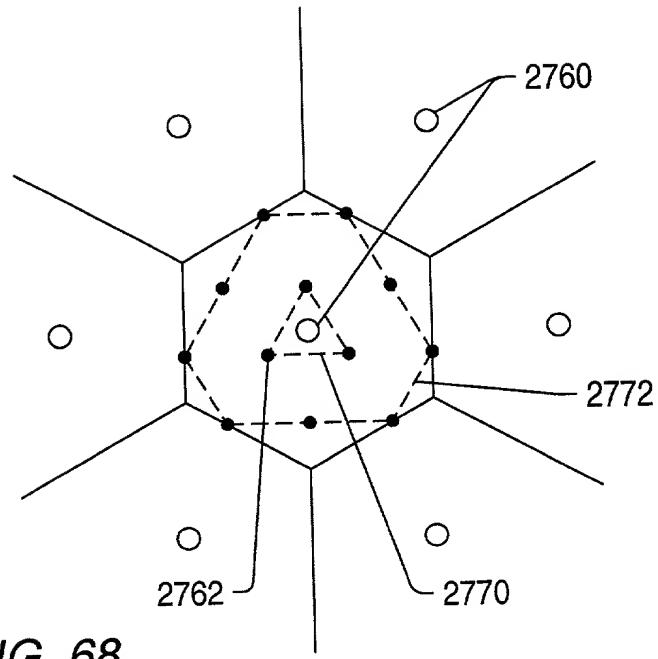


FIG. 68

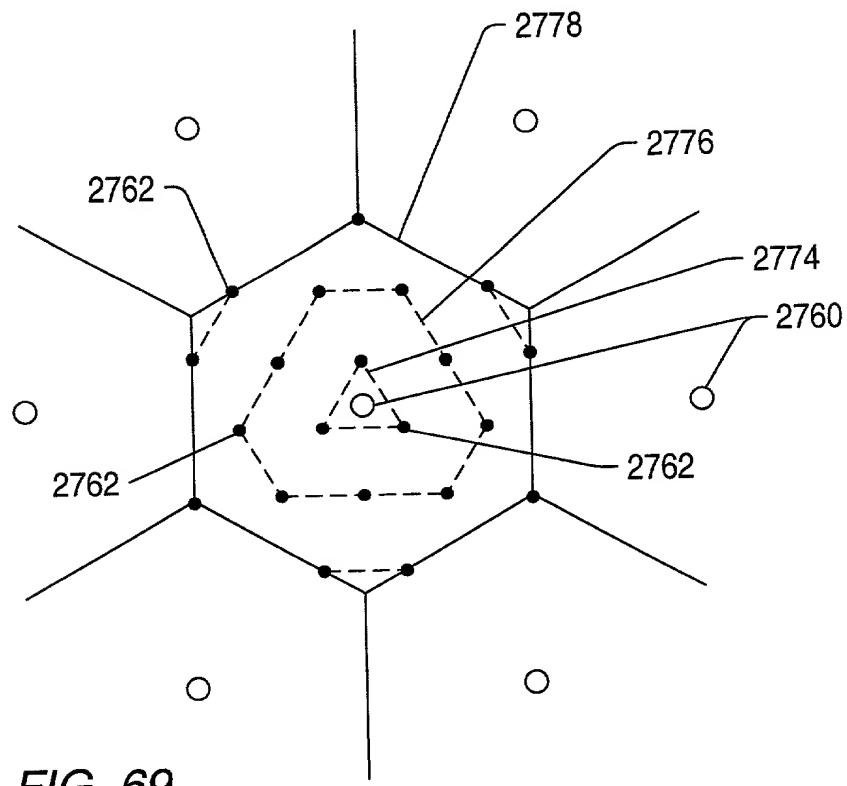


FIG. 69

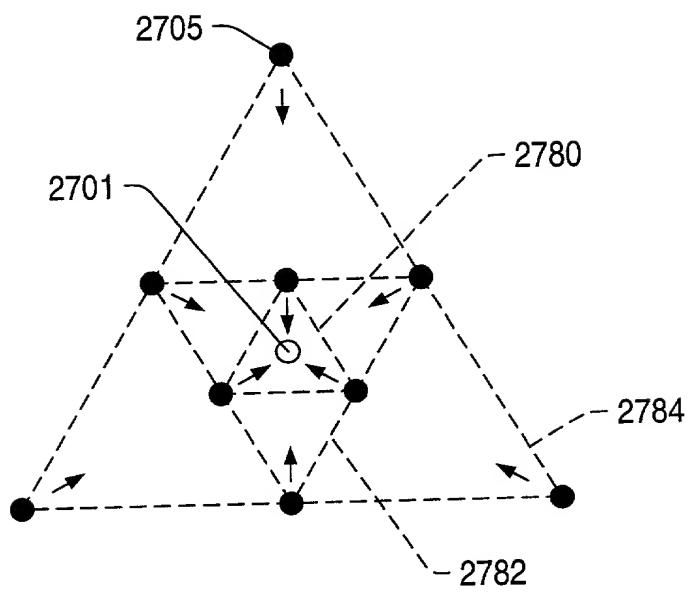


FIG. 70

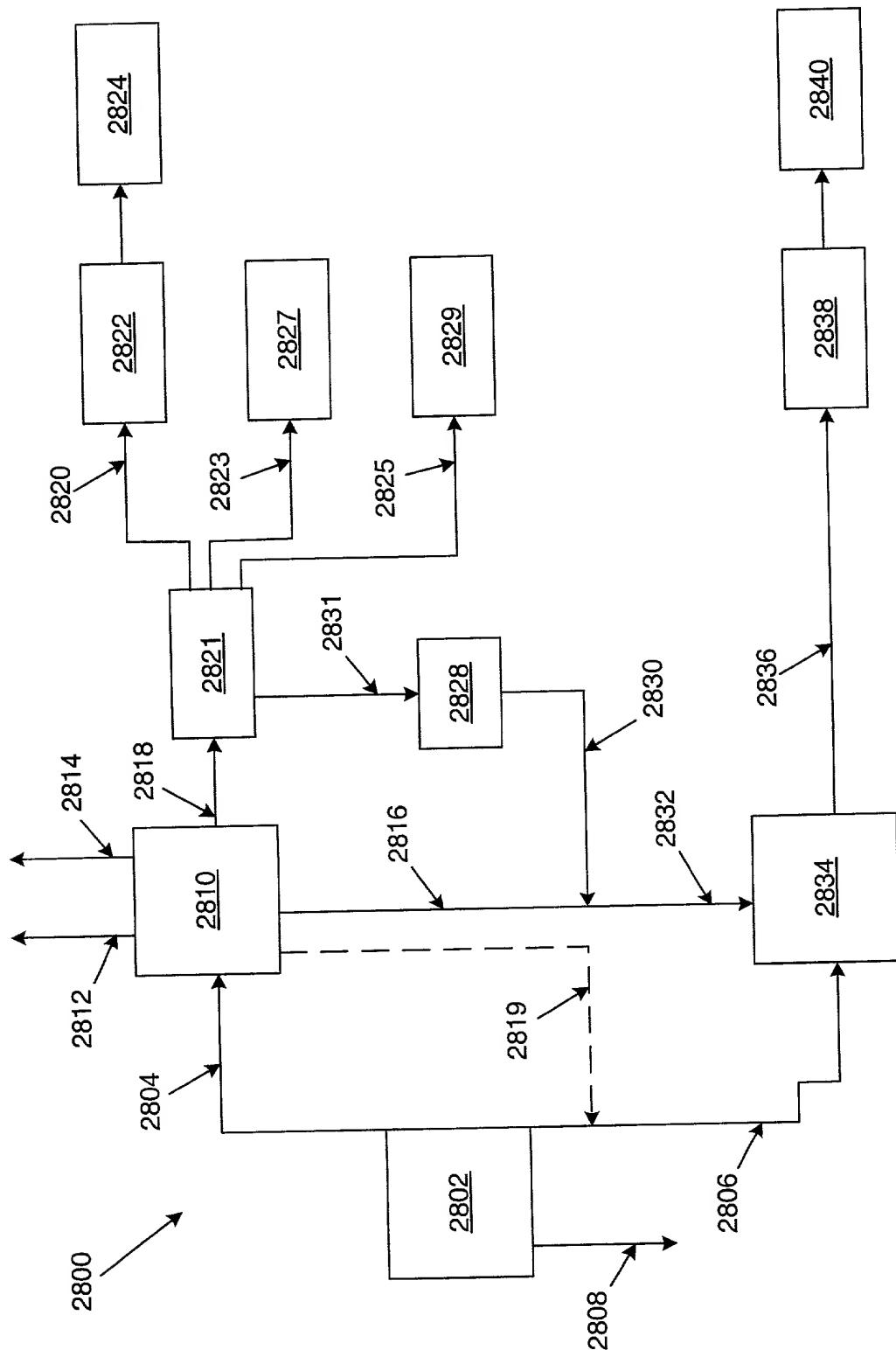


Fig. 71

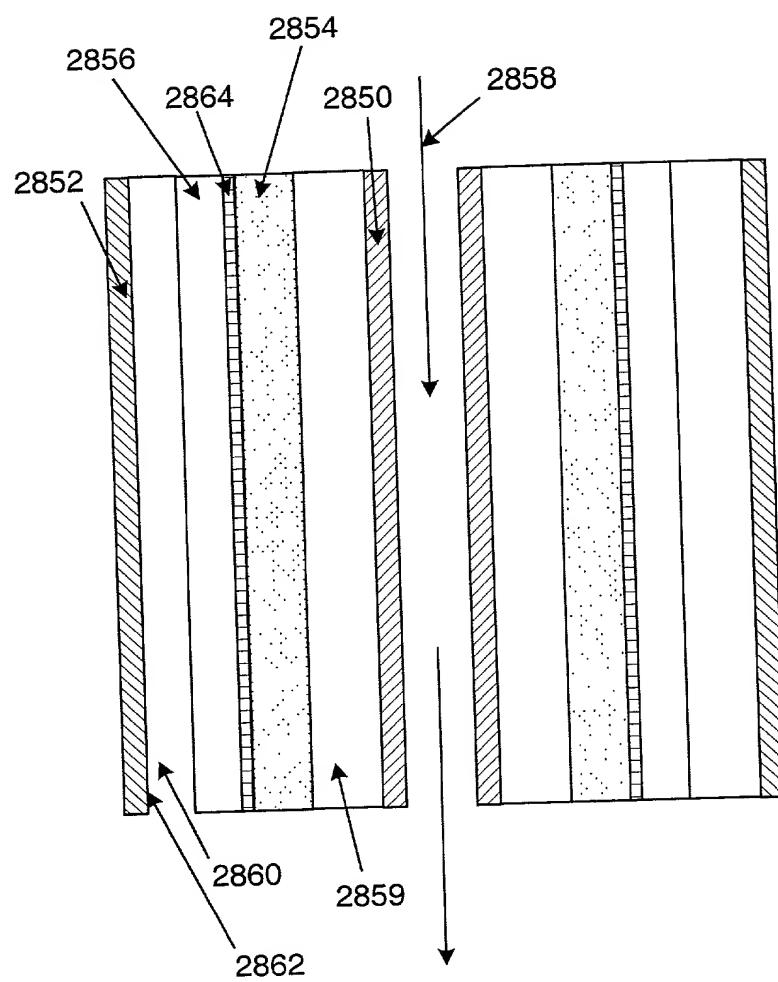


Fig. 72

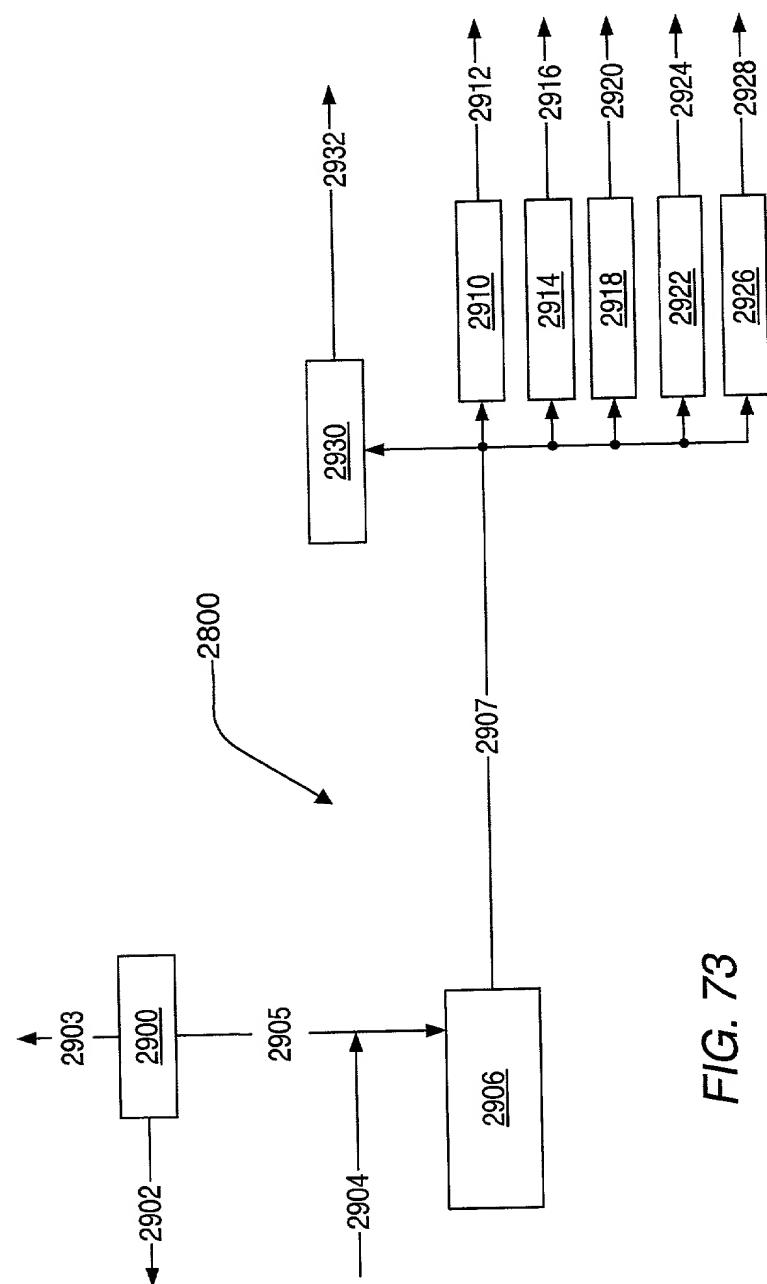
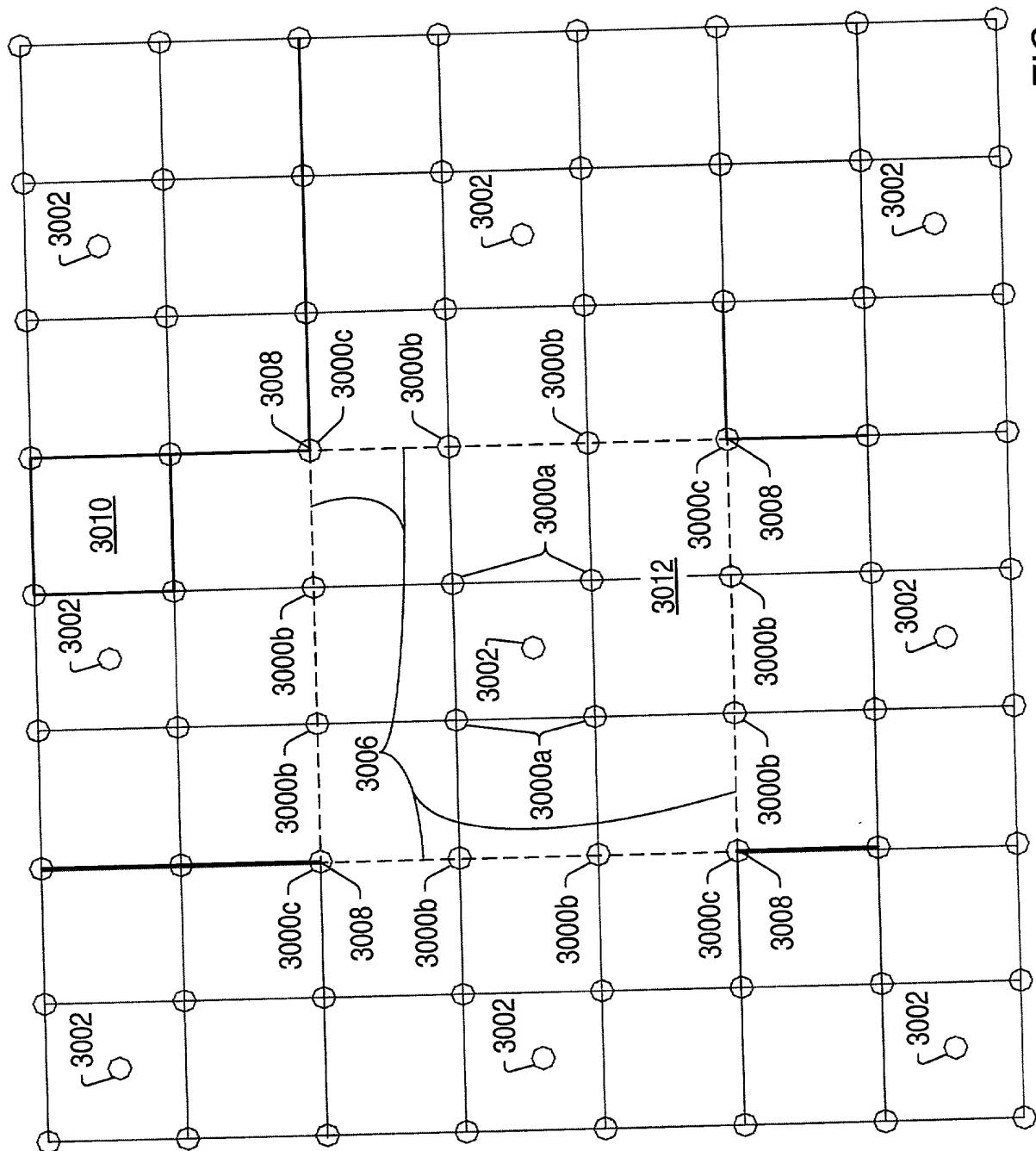


FIG. 73

FIG. 74



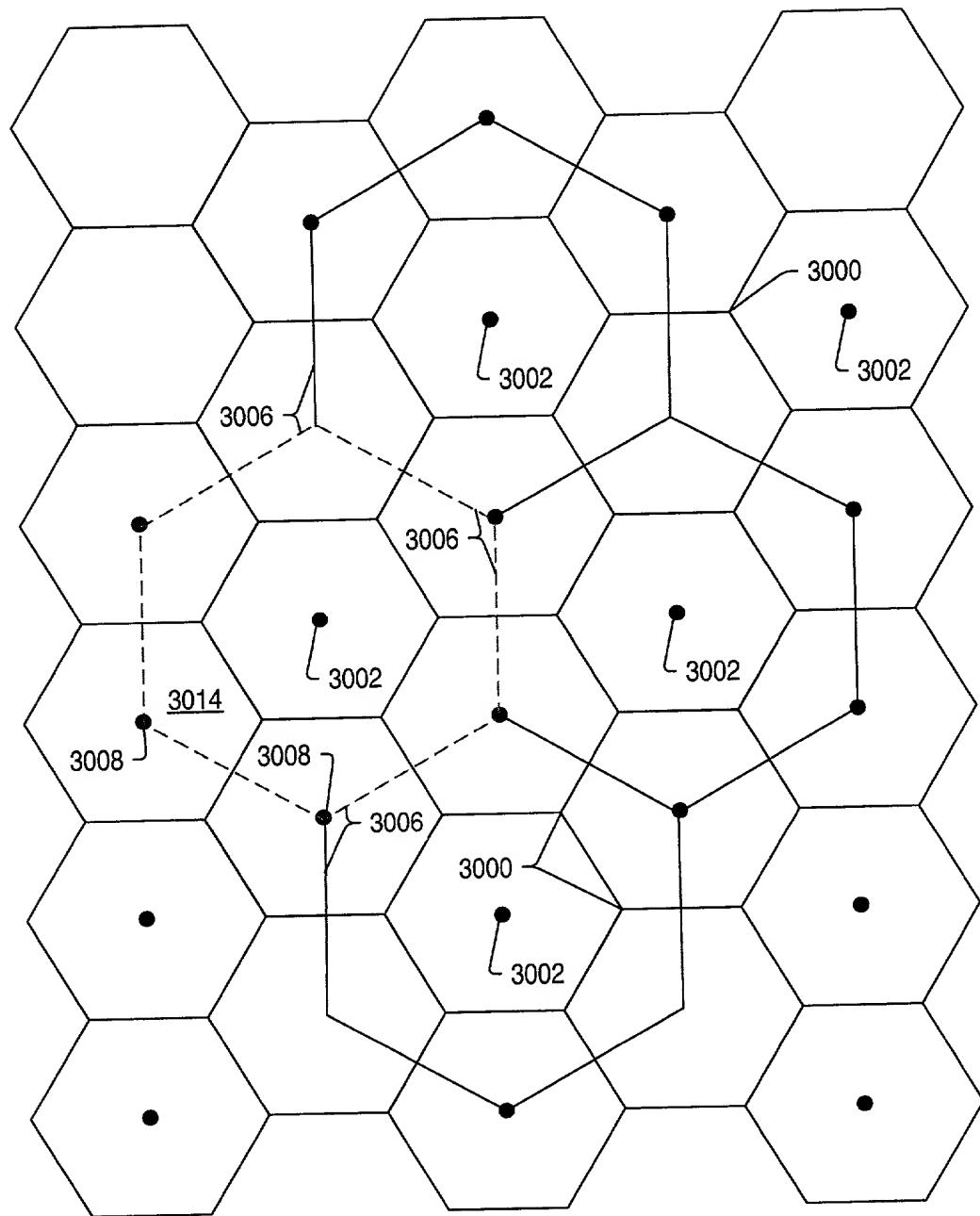


FIG. 75

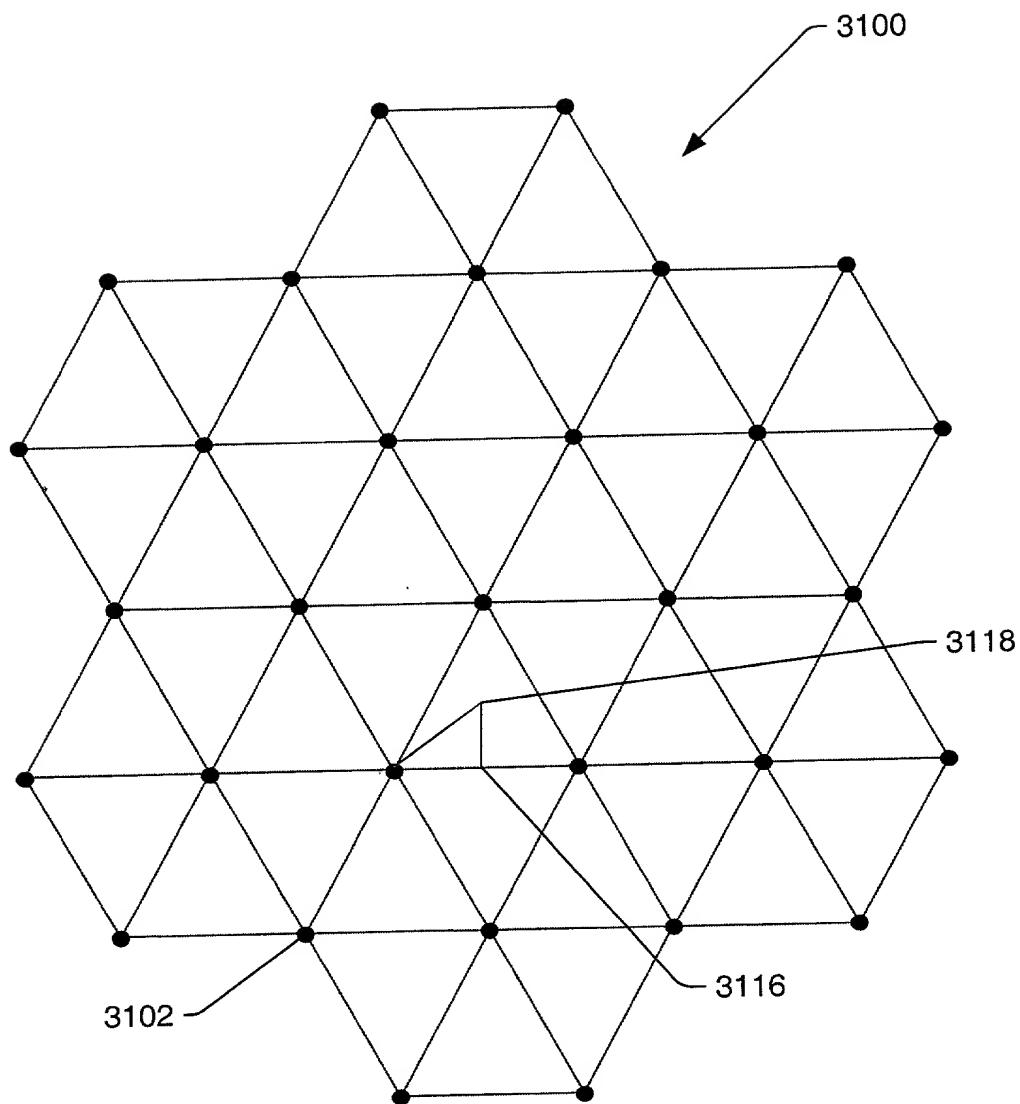


FIG. 76

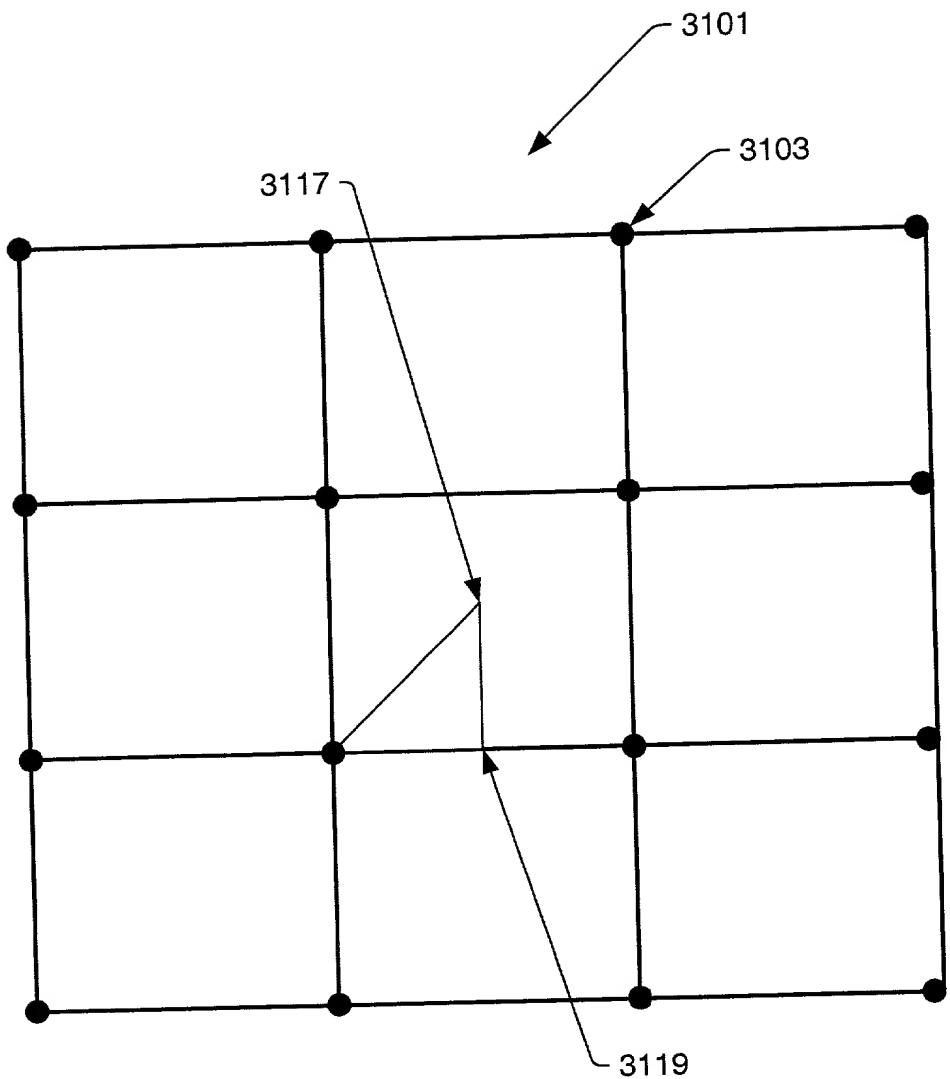


FIG. 76a

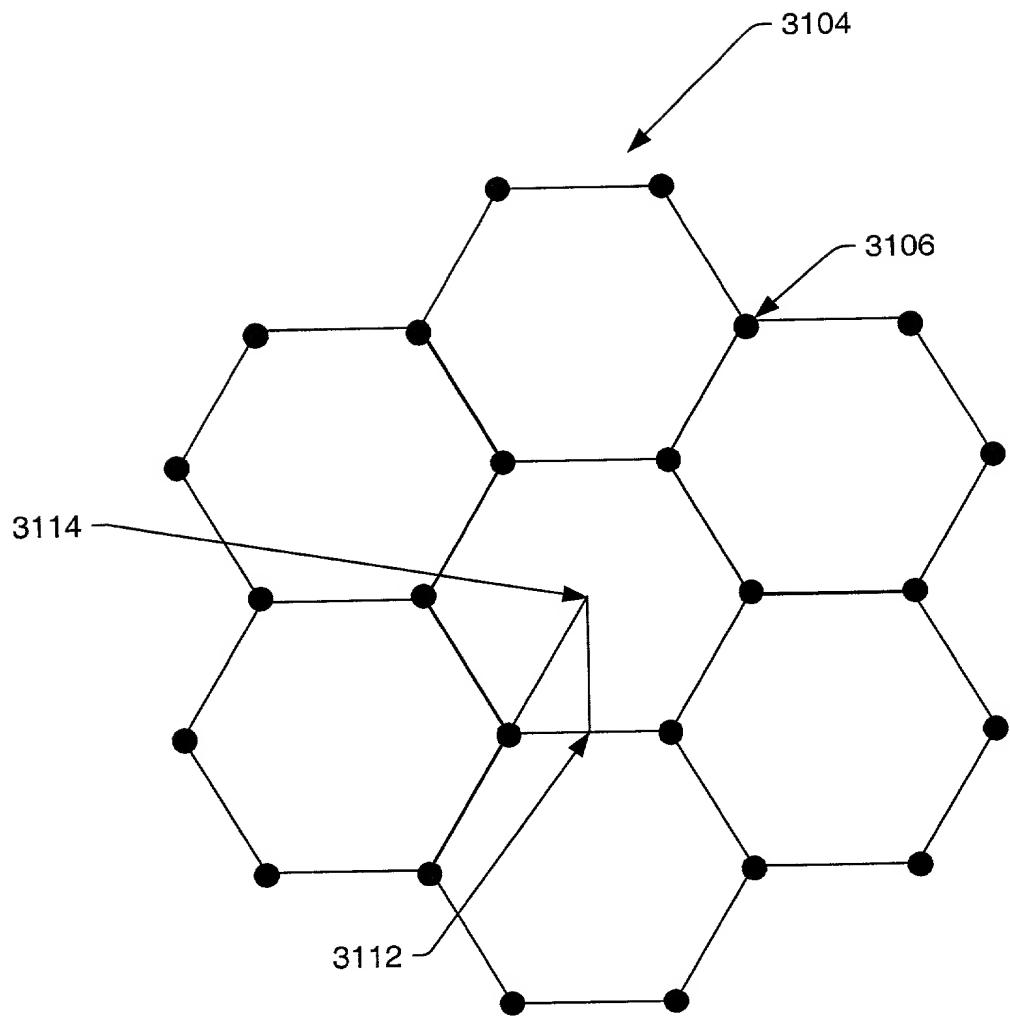


FIG. 77

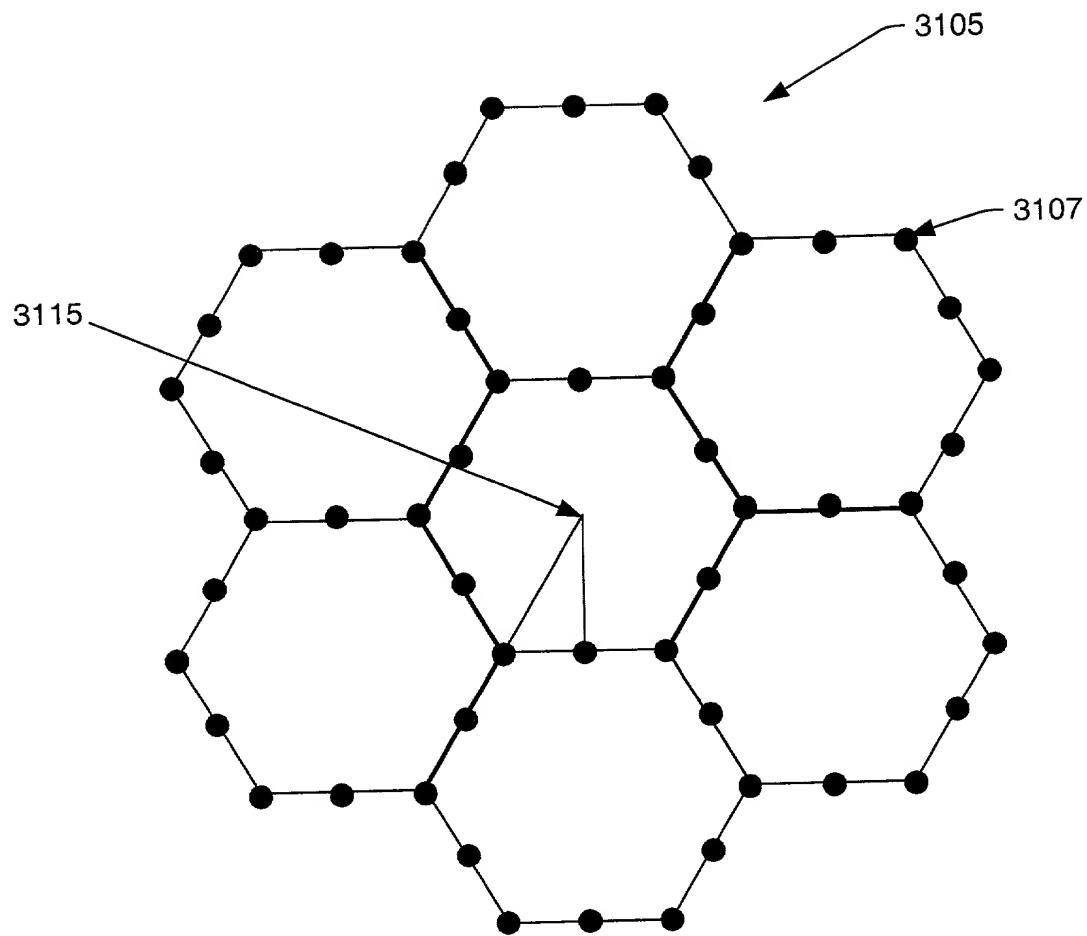


FIG. 77a

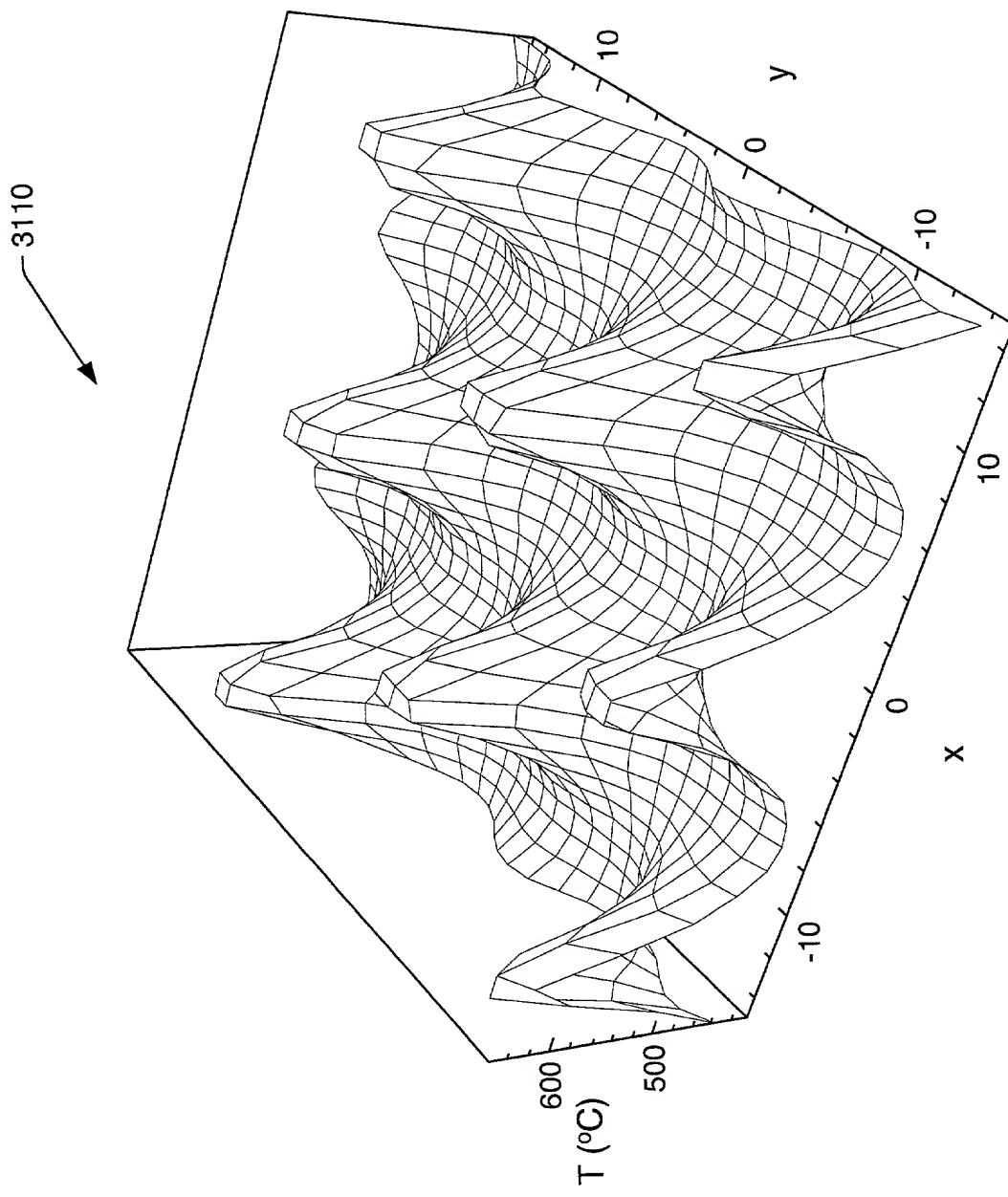


FIG. 78

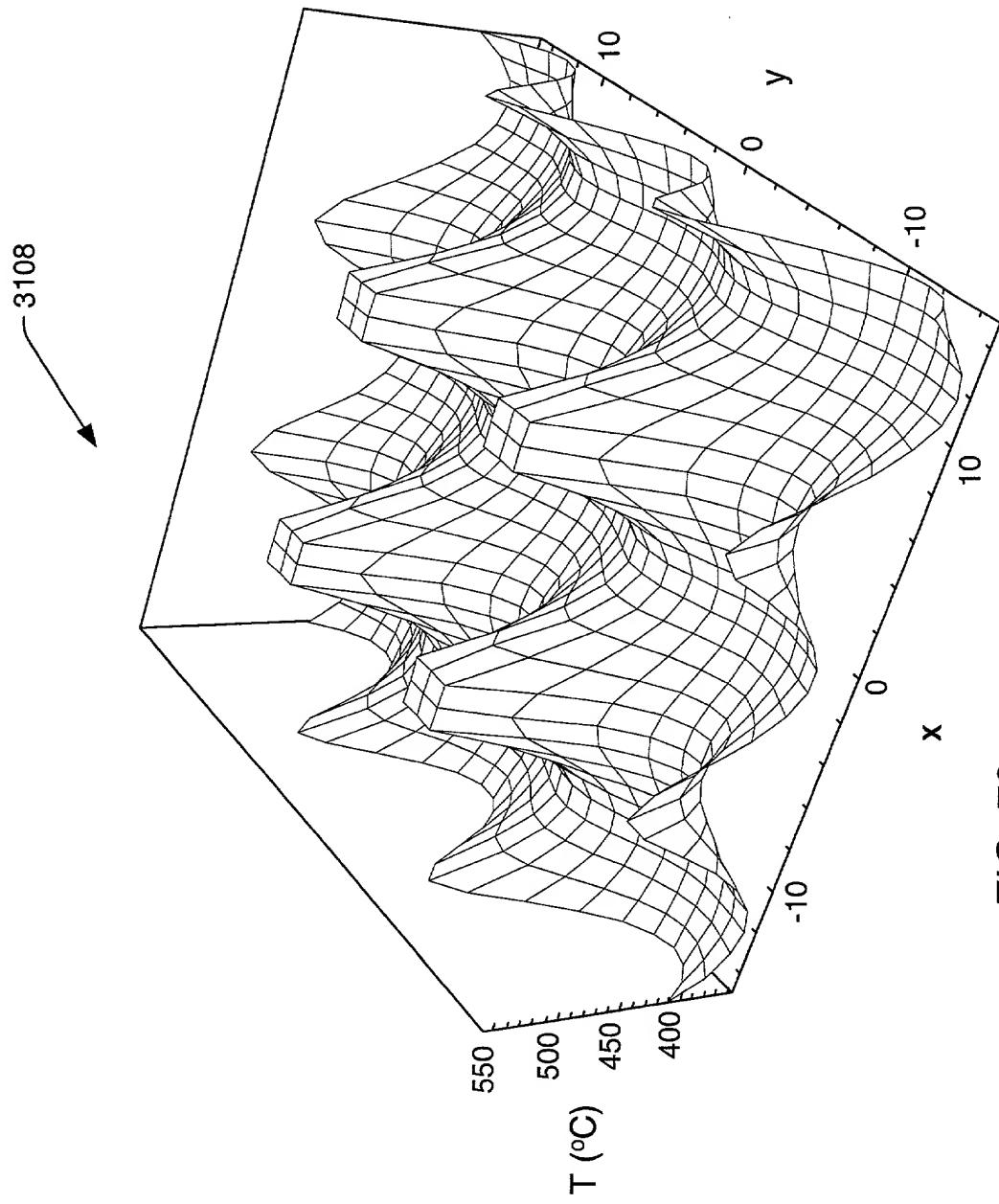


FIG. 79

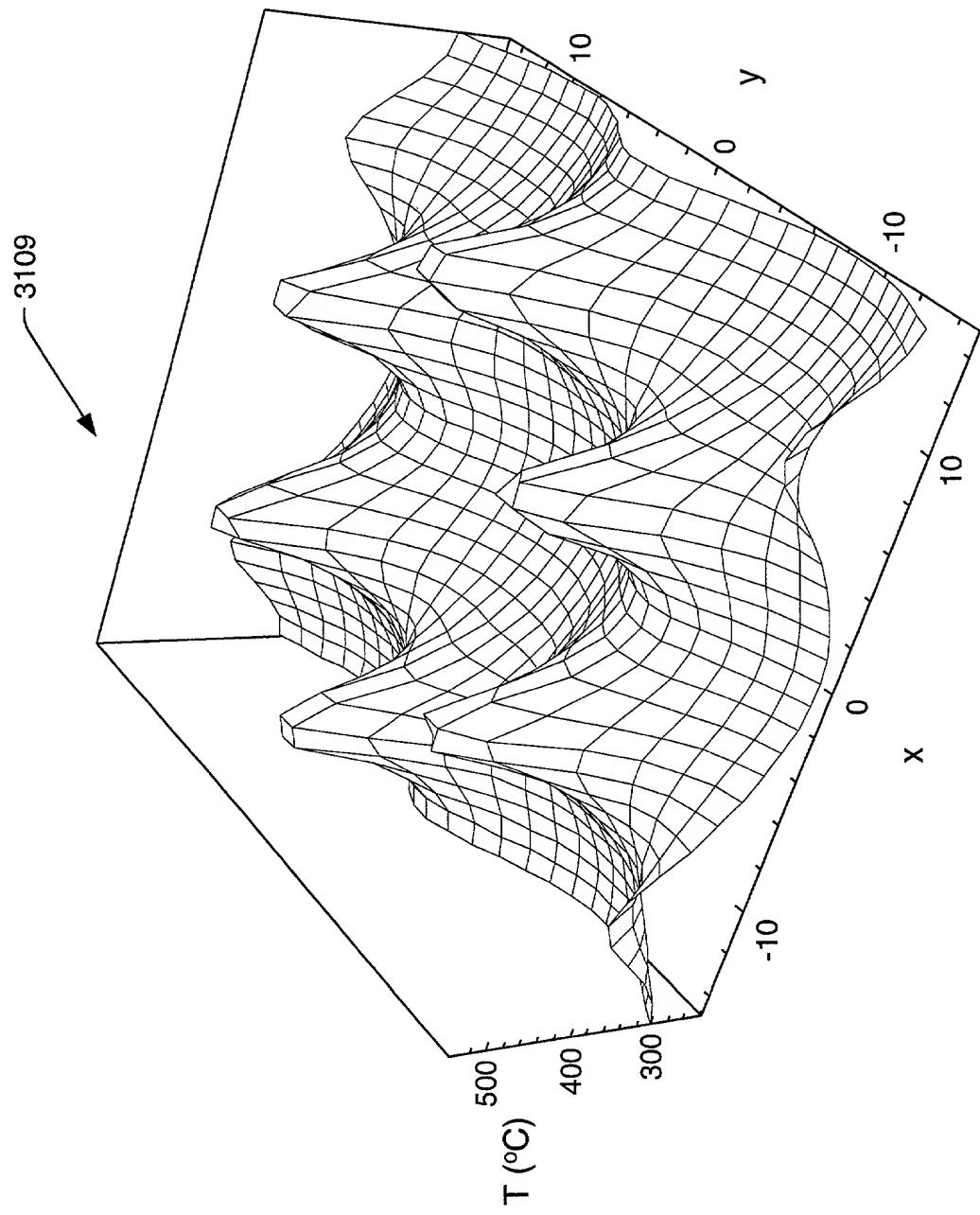


FIG. 79a

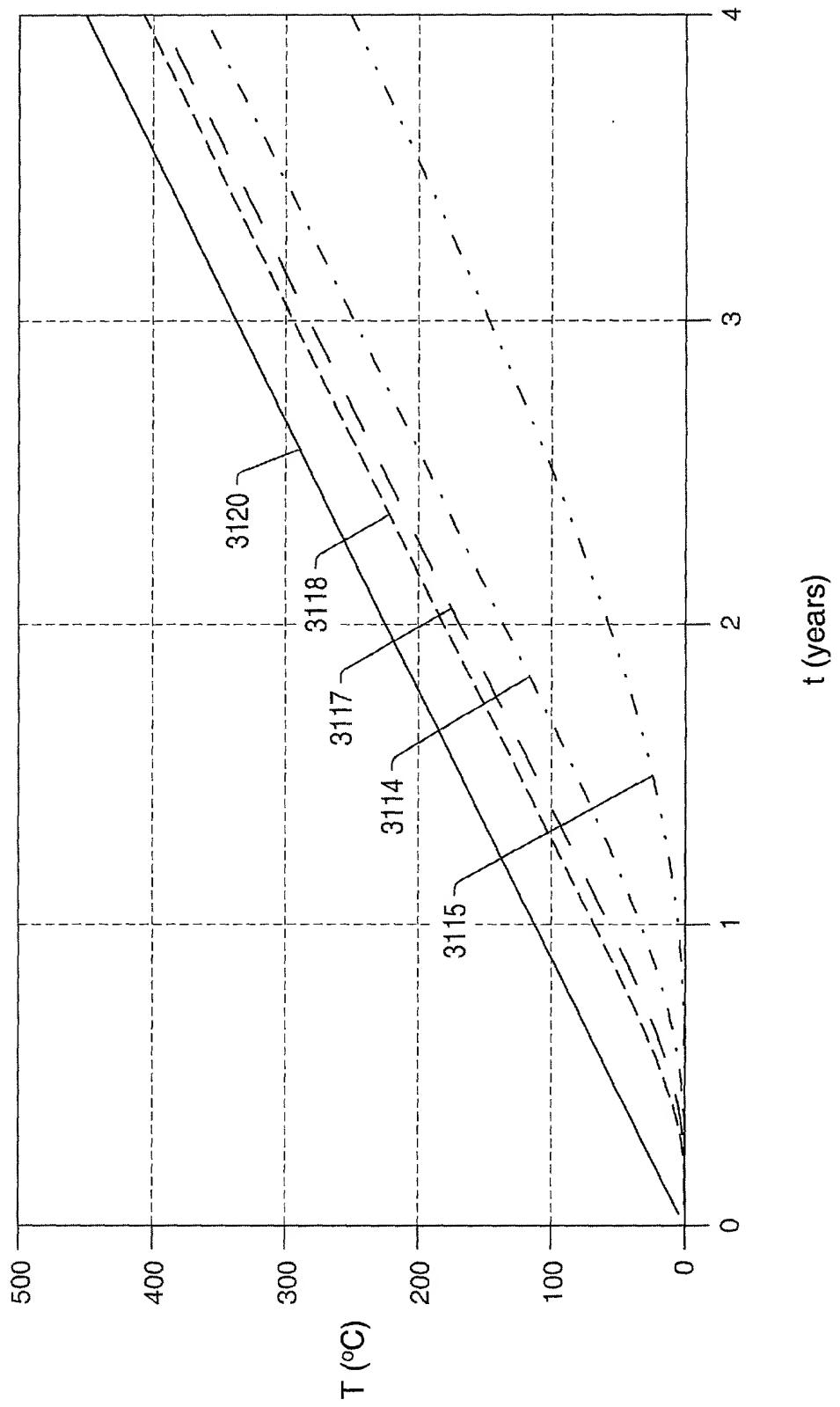


FIG. 80

FIG. 81

Figure 81 shows a graph of temperature T in degrees Celsius versus time t in years. The vertical axis (T) ranges from 0 to 500 with major ticks every 100 units. The horizontal axis (t) ranges from 0 to 4 with major ticks every 1 unit. Five curves are plotted, each labeled with a number: 3120, 3112, 3116, 3118, and 3114. All curves start at $(0, 0)$ and end at $(4, 0)$. The curves are concave down, indicating a decreasing rate of temperature increase over time.

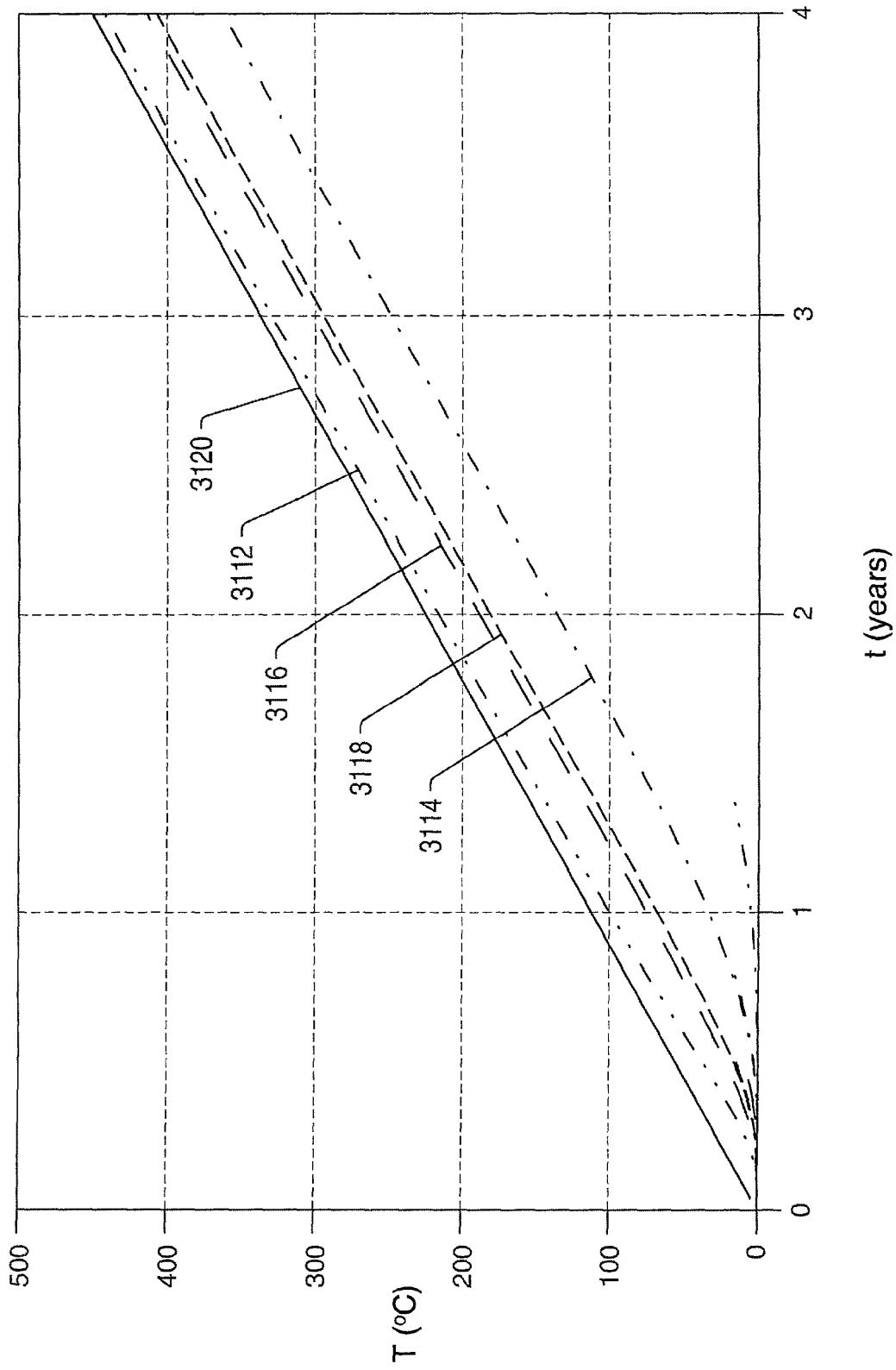


FIG. 81a

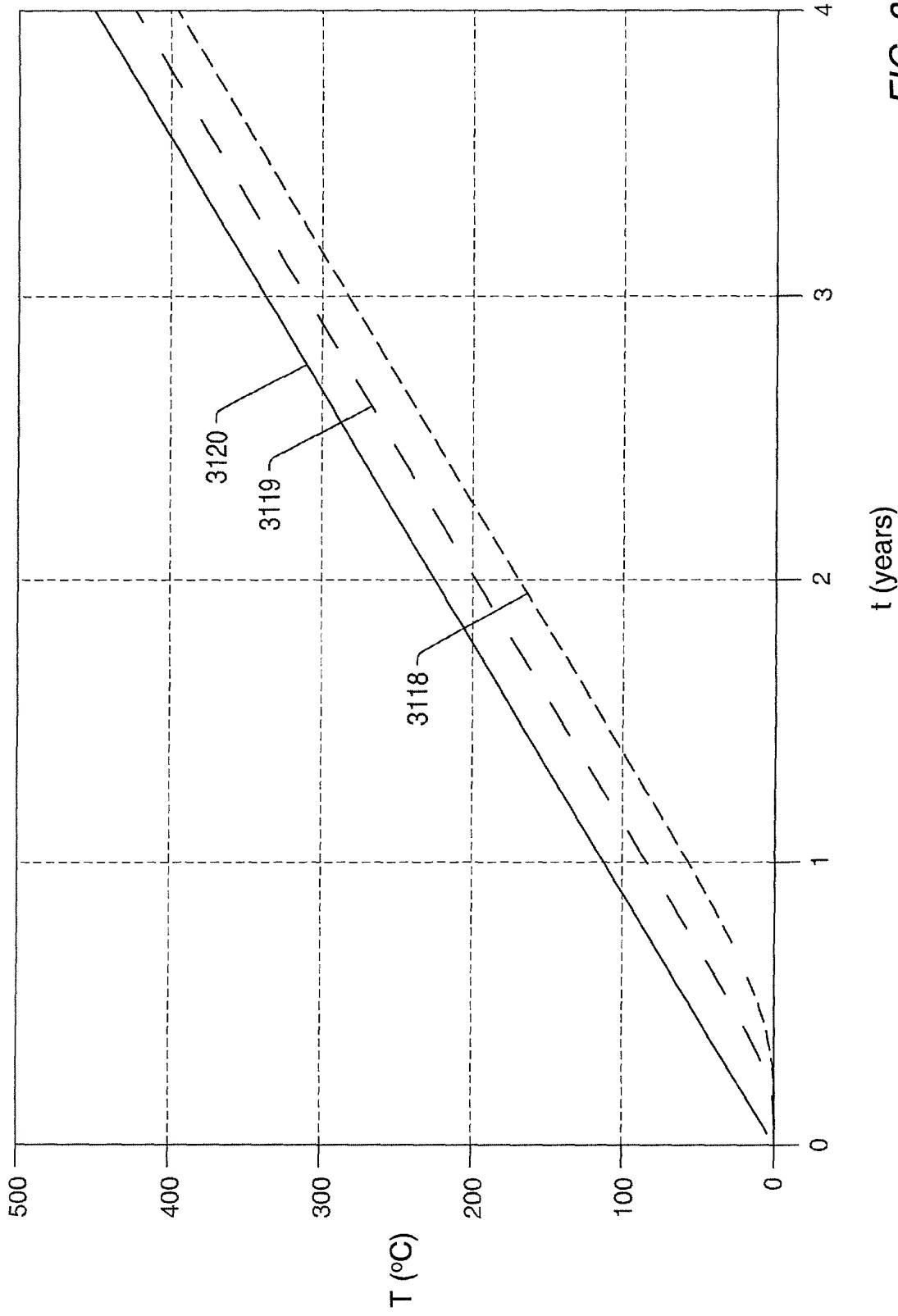
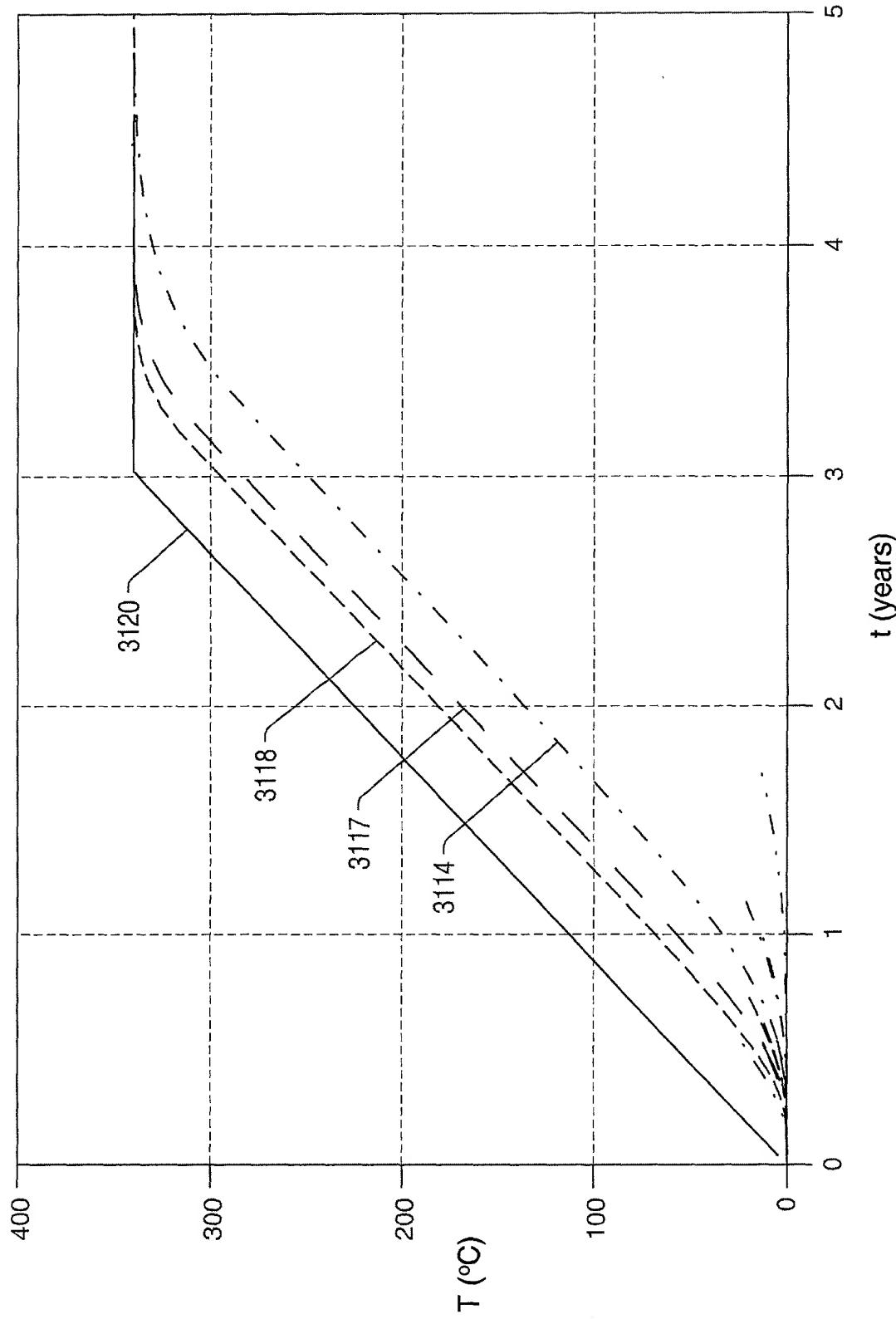


FIG. 81b



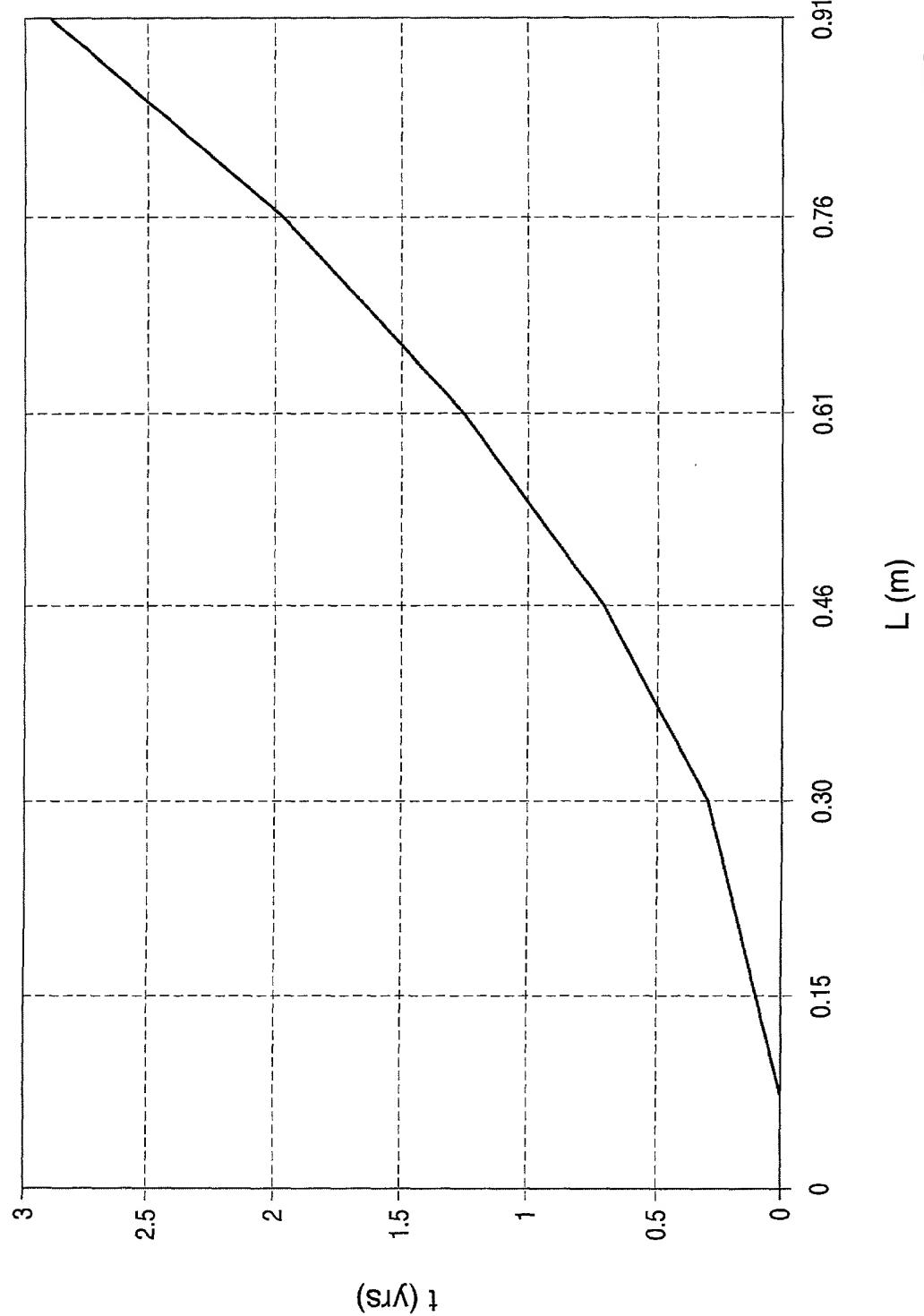


FIG. 82

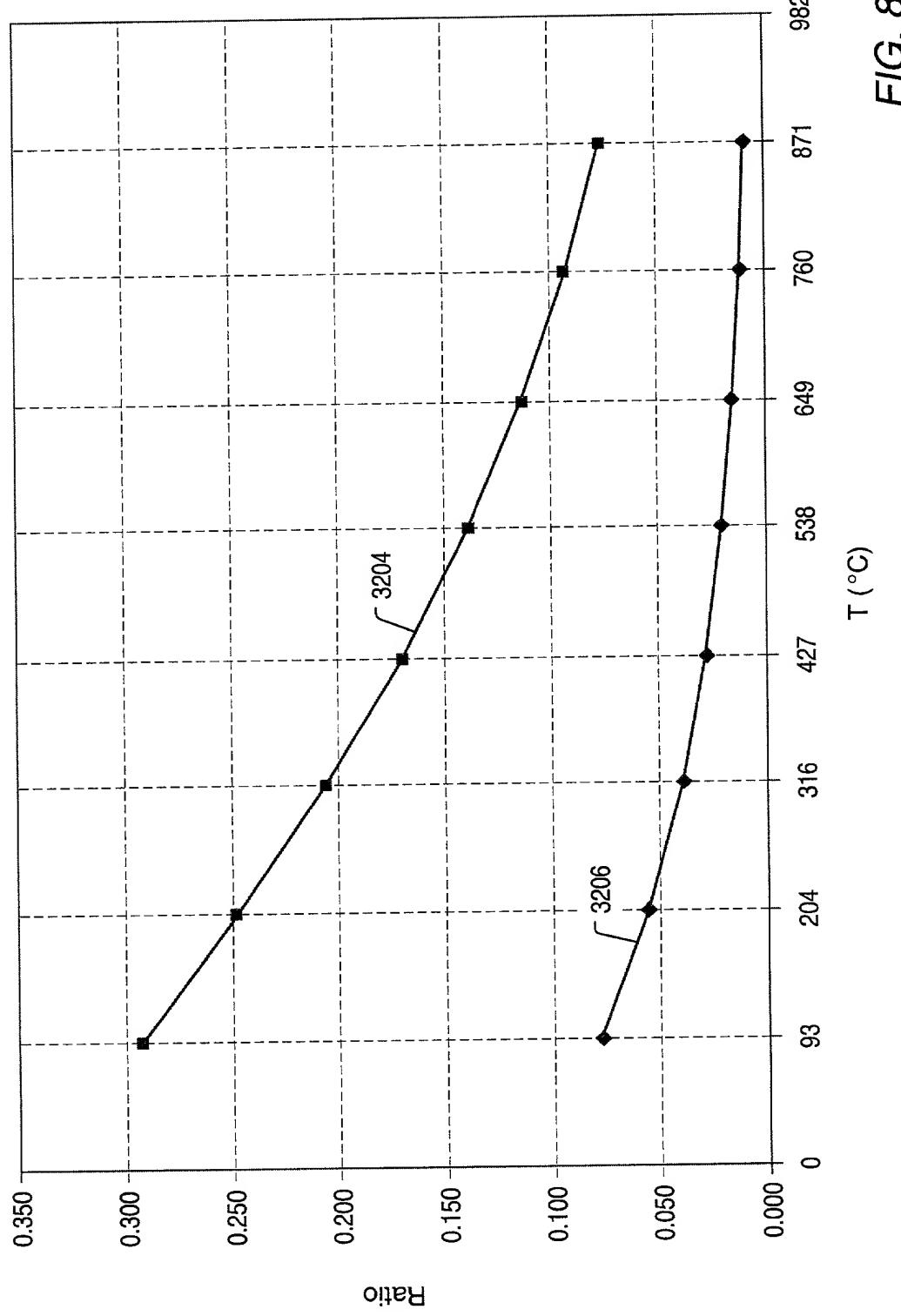
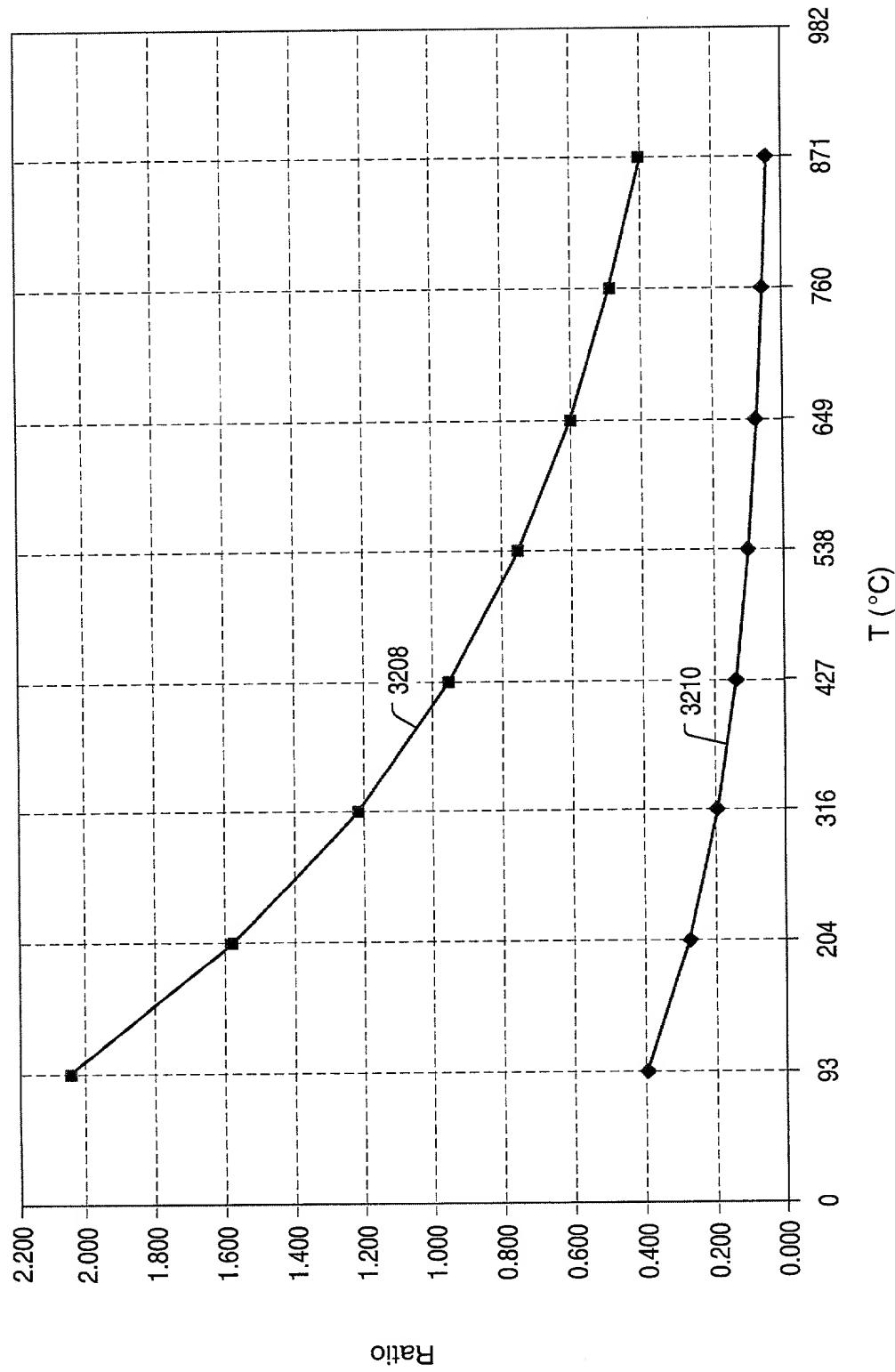


FIG. 83

FIG. 84



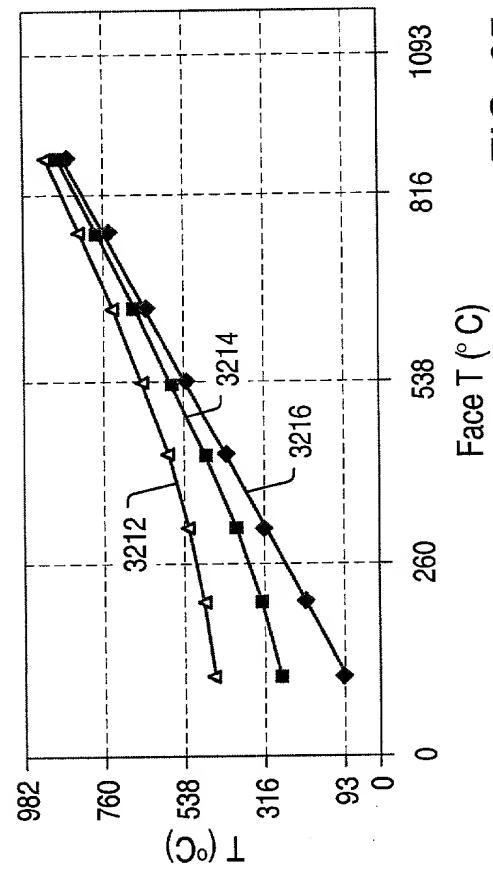


FIG. 85

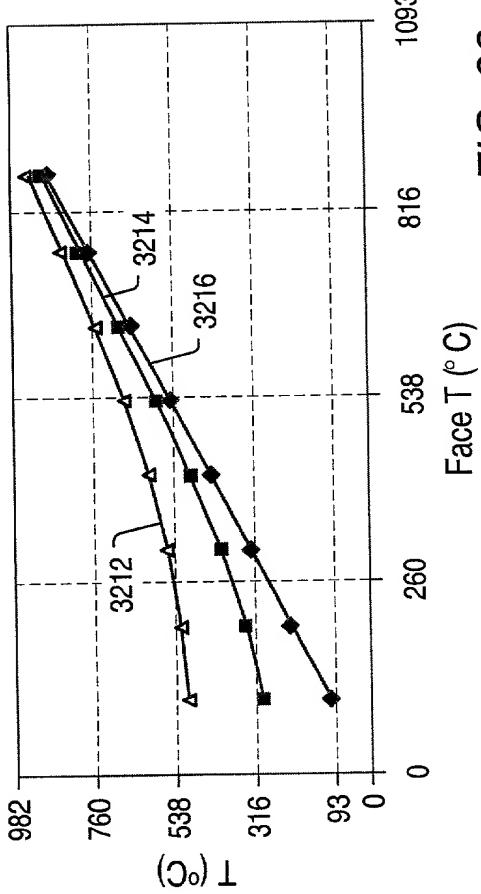


FIG. 86

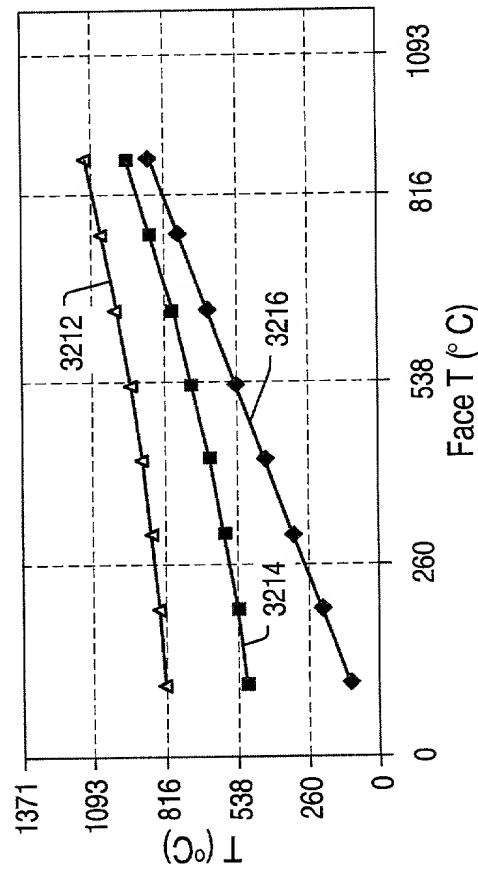


FIG. 87

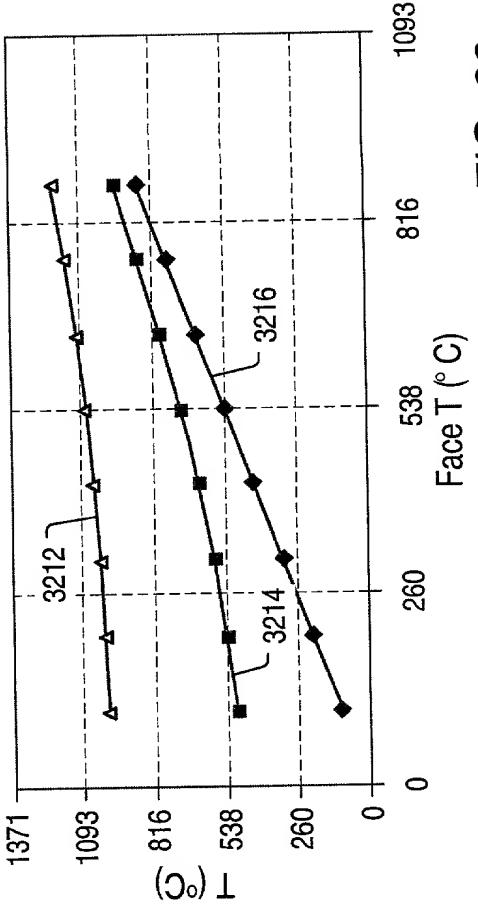
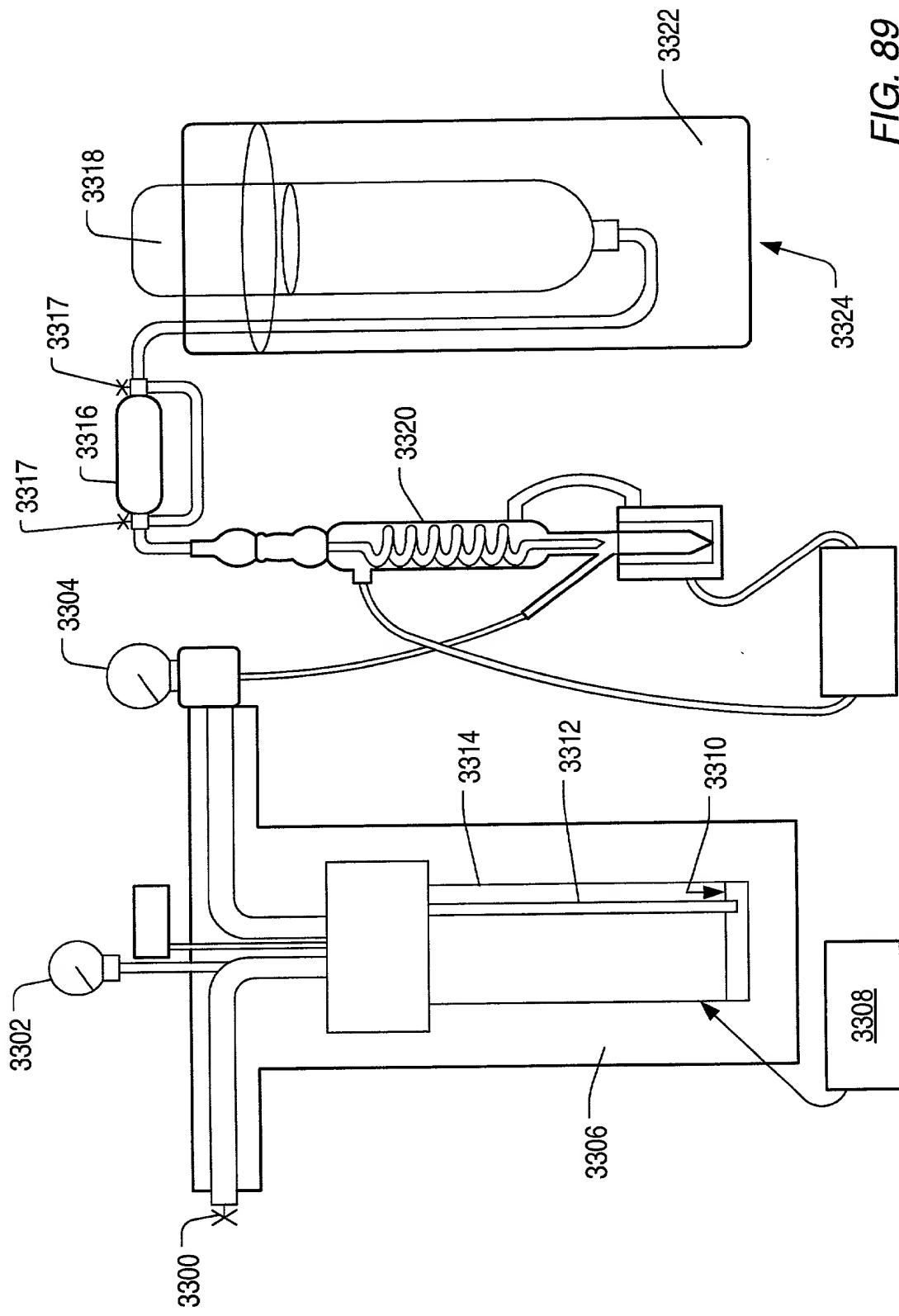


FIG. 88

FIG. 89



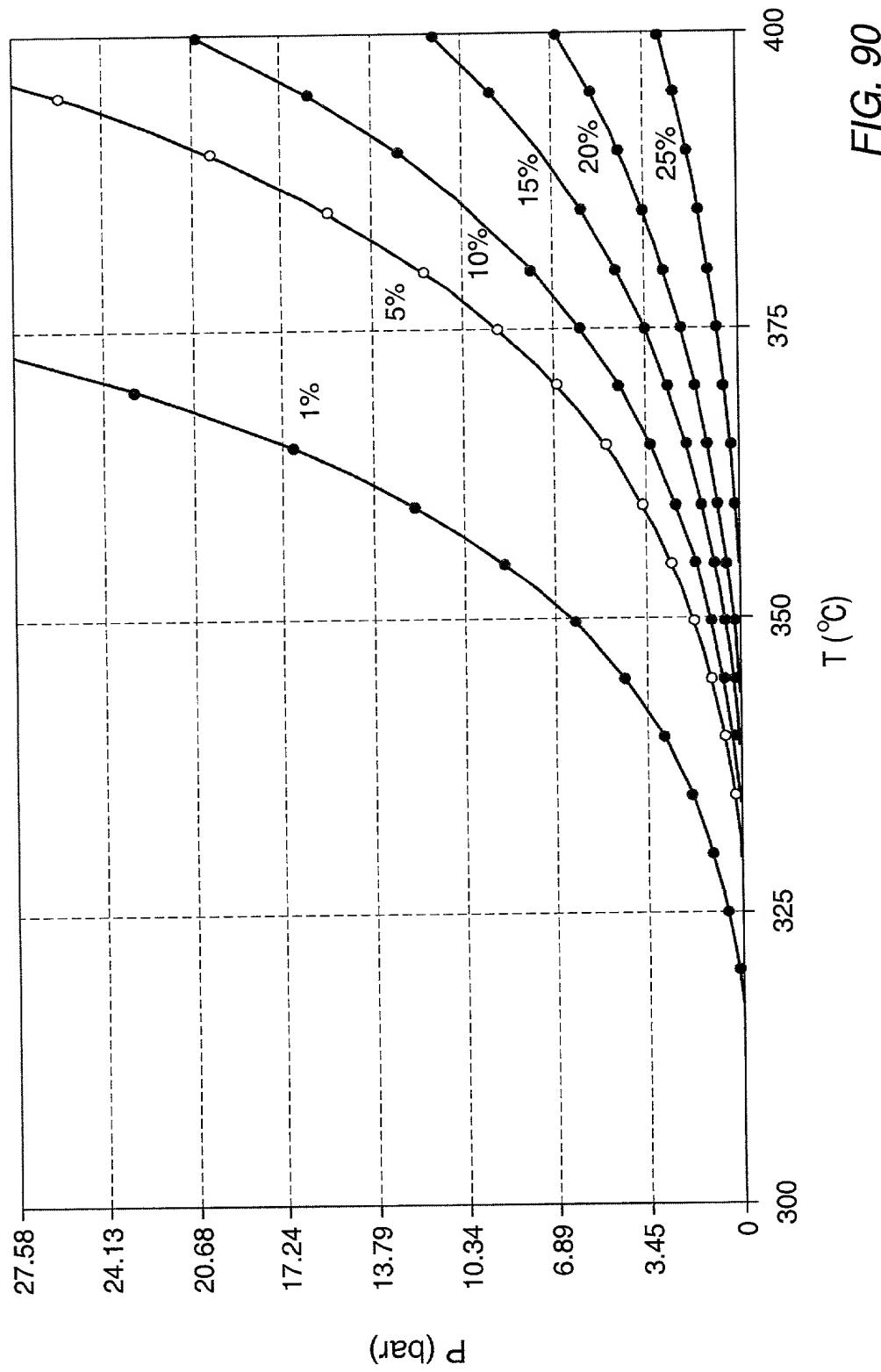


FIG. 90

FIG. 91

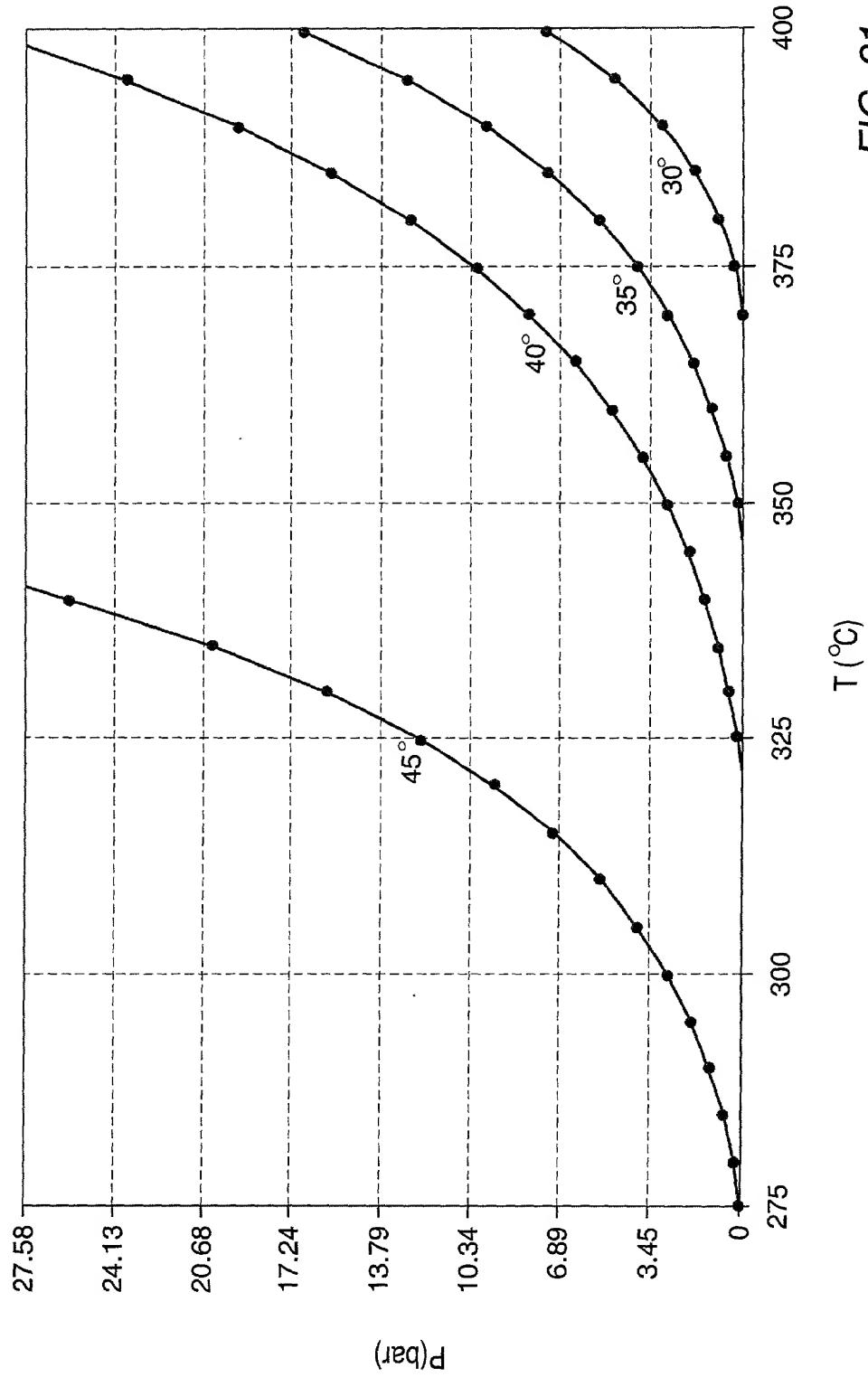


FIG. 92

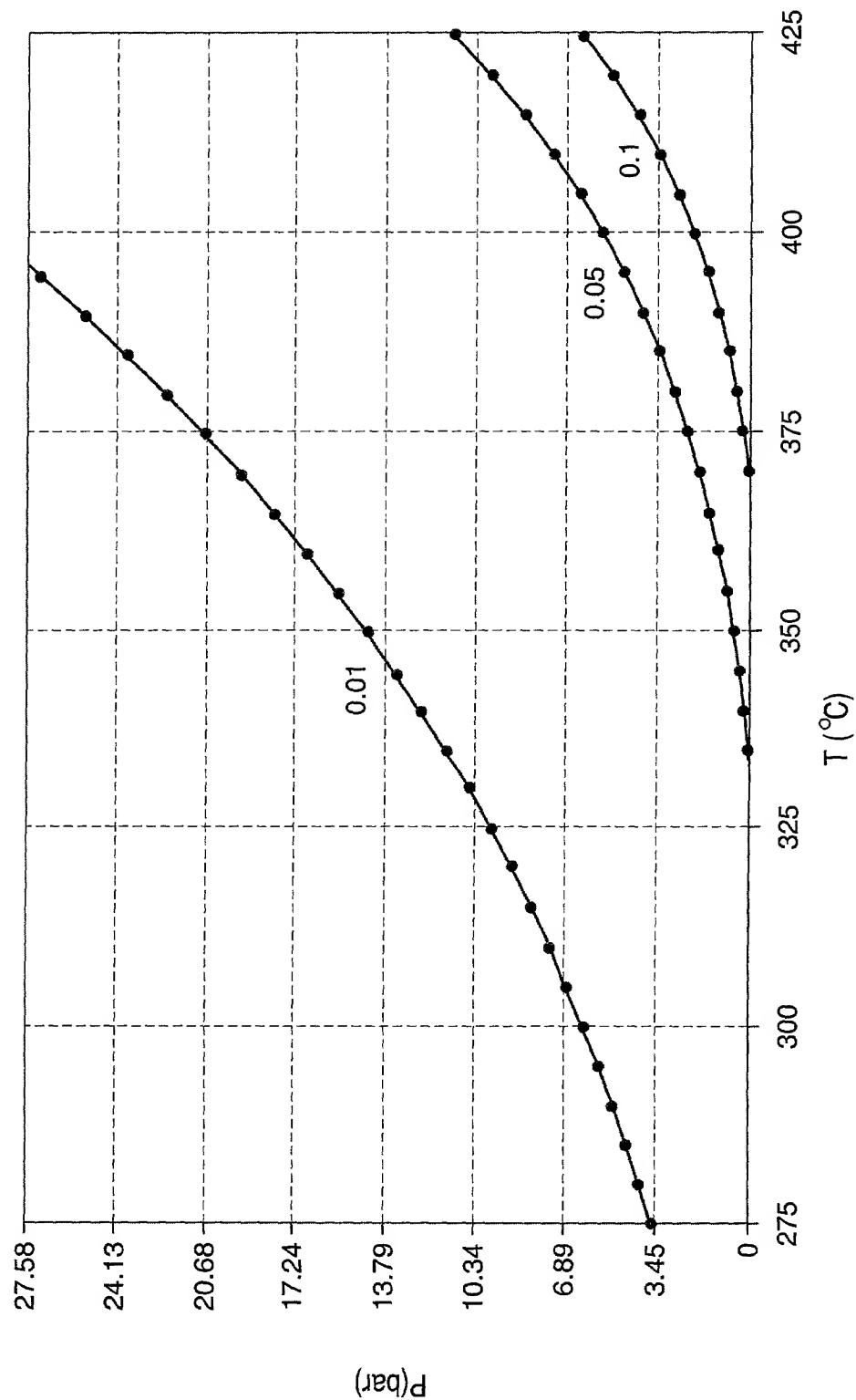


FIG. 93

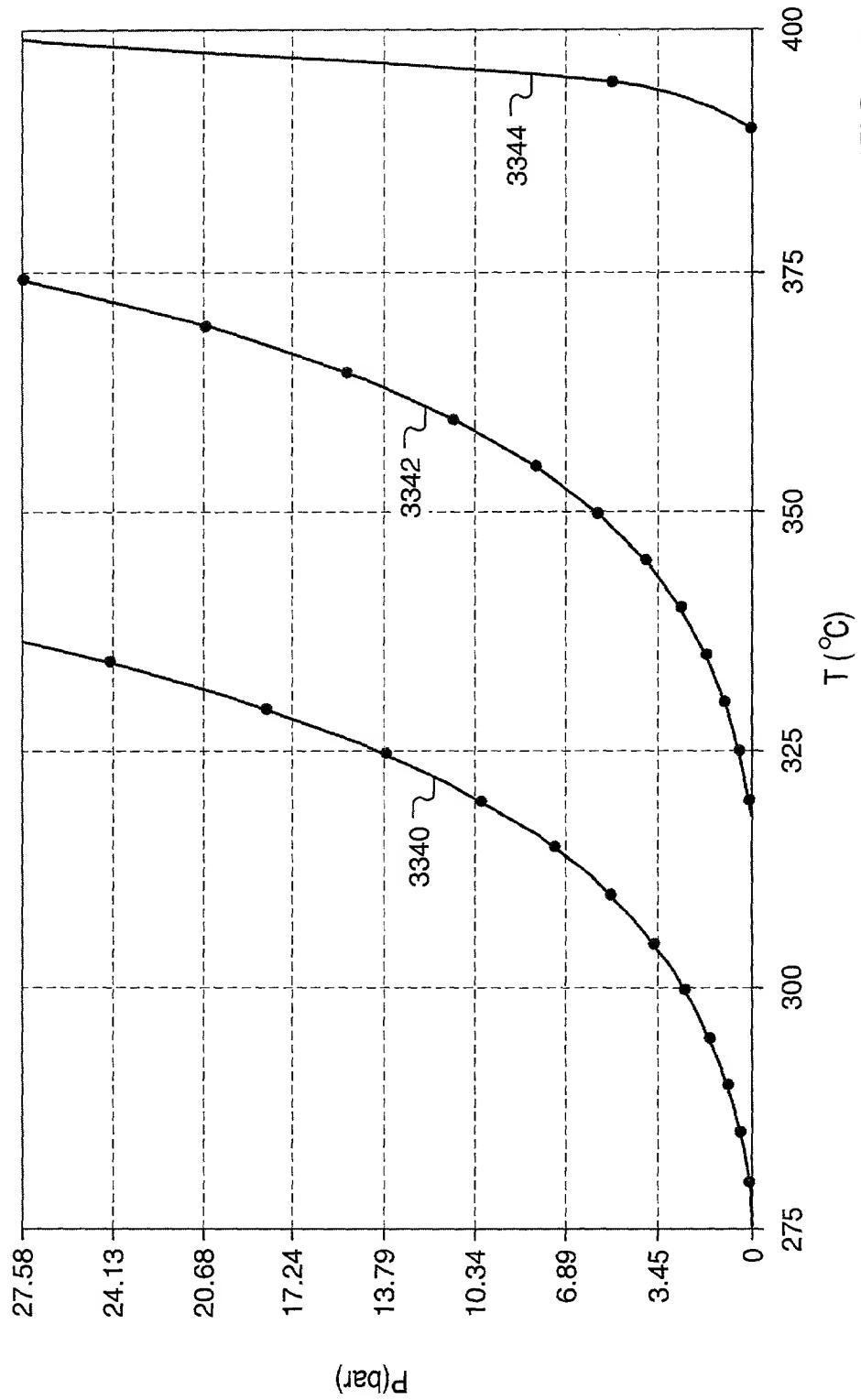
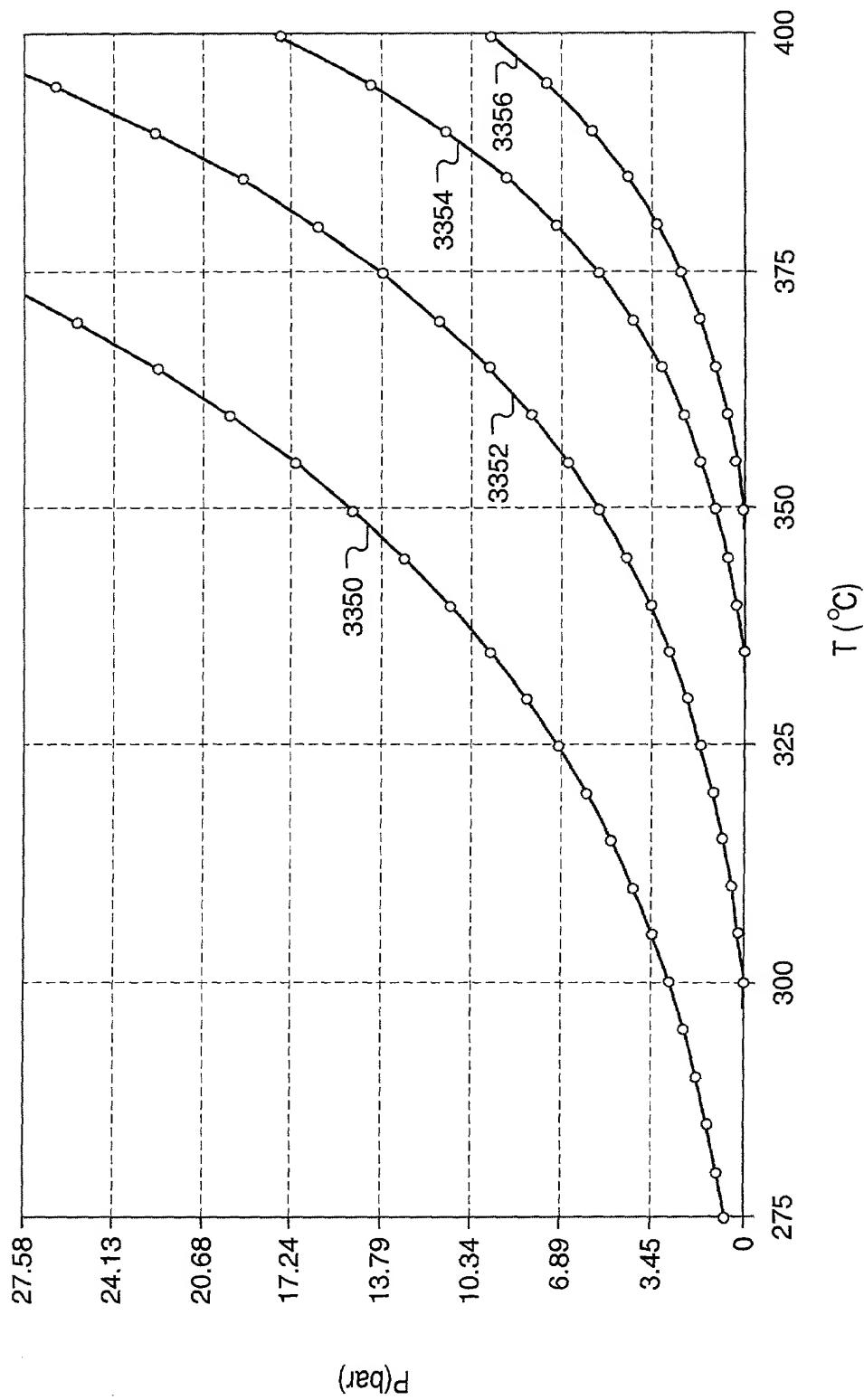


FIG. 94



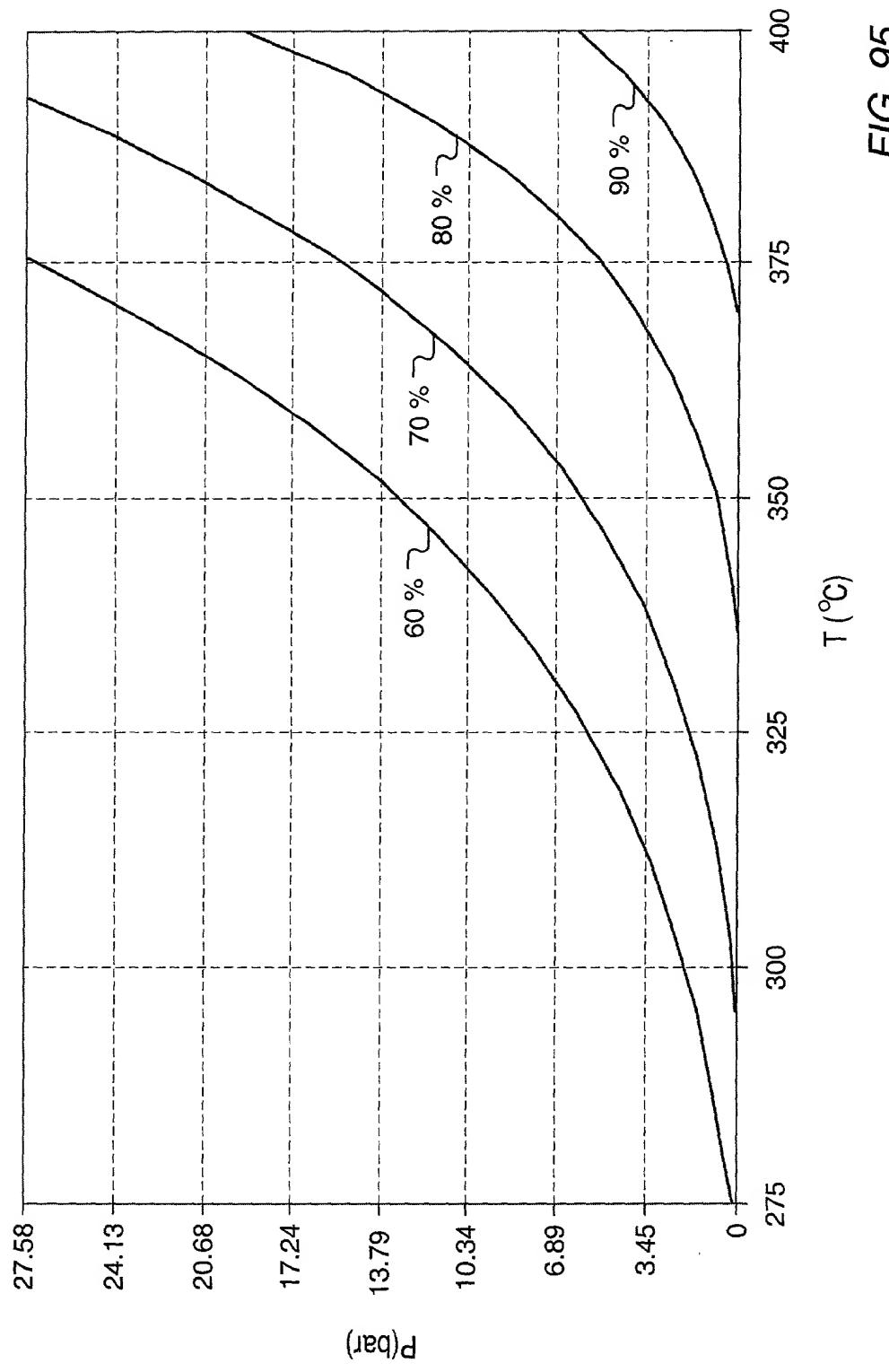
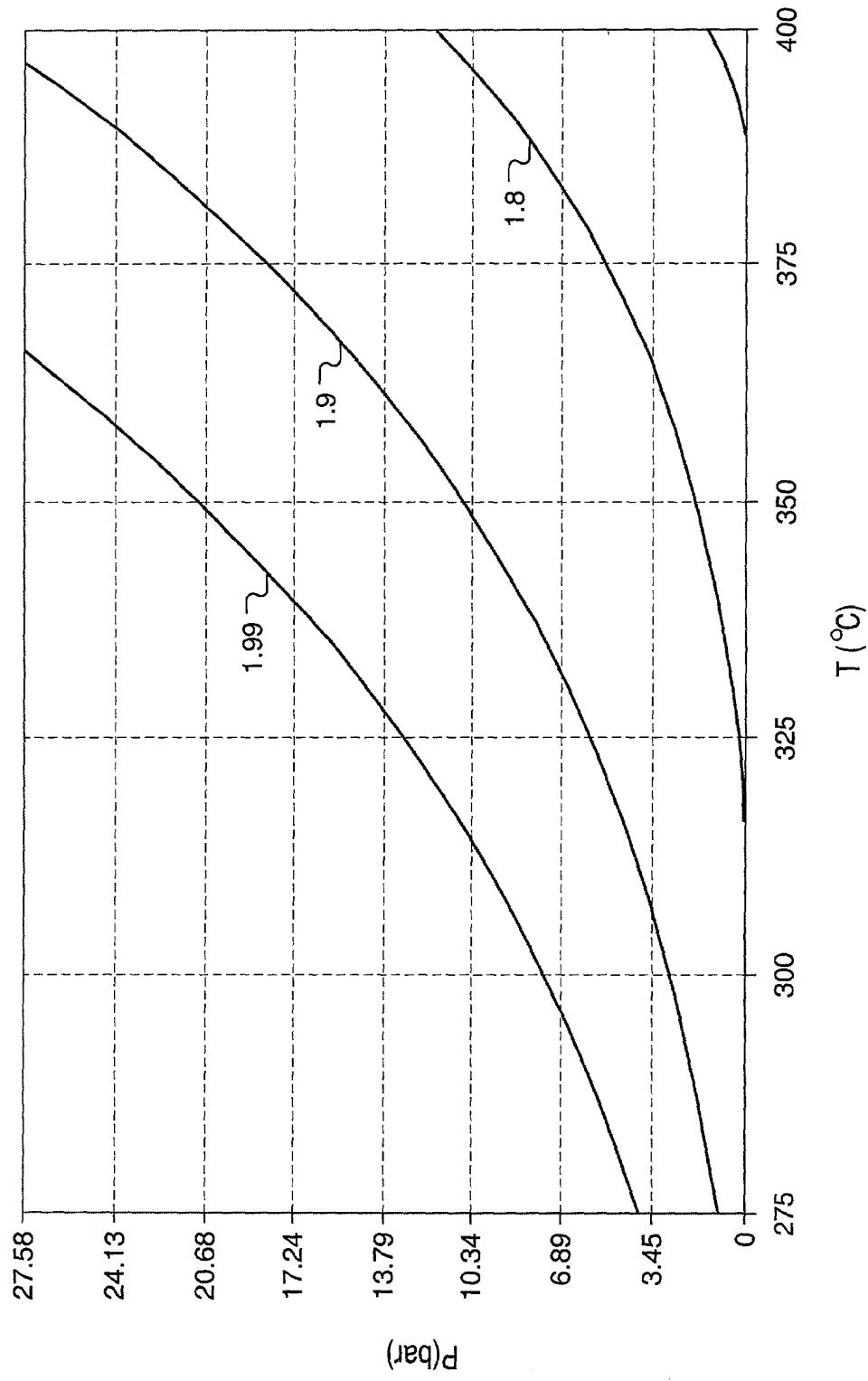


FIG. 95

FIG. 96



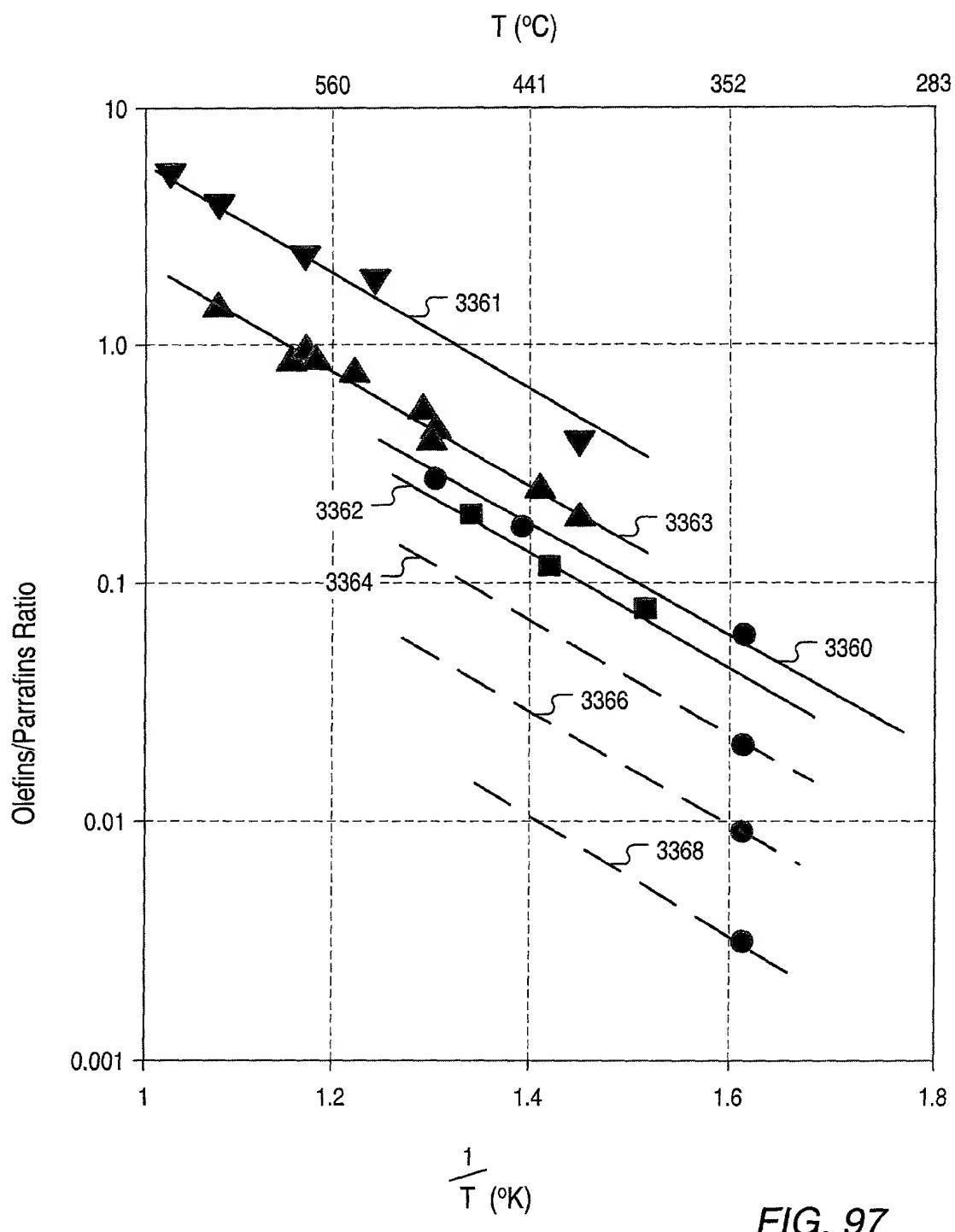


FIG. 97

FIG. 98

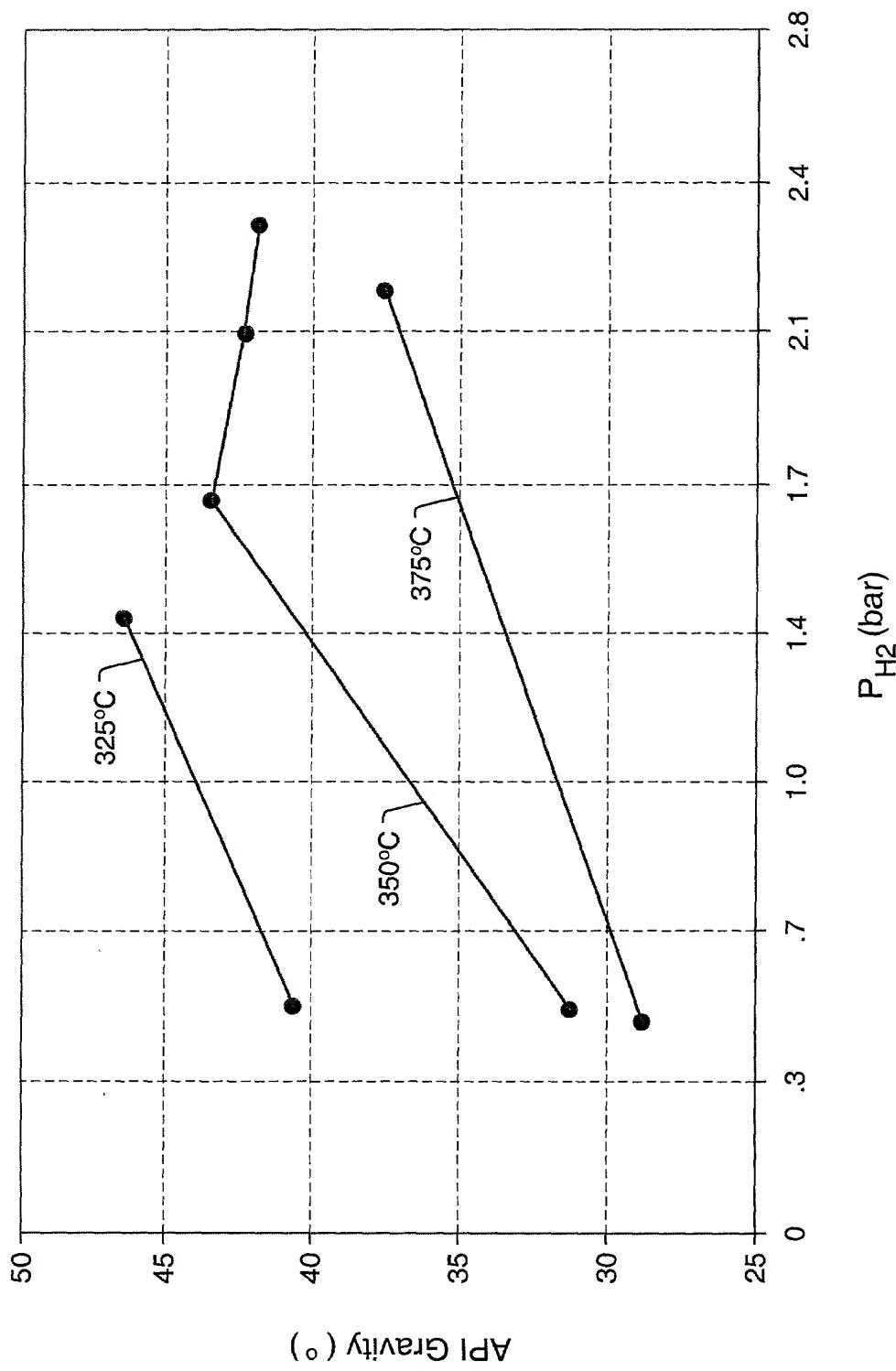


FIG. 99

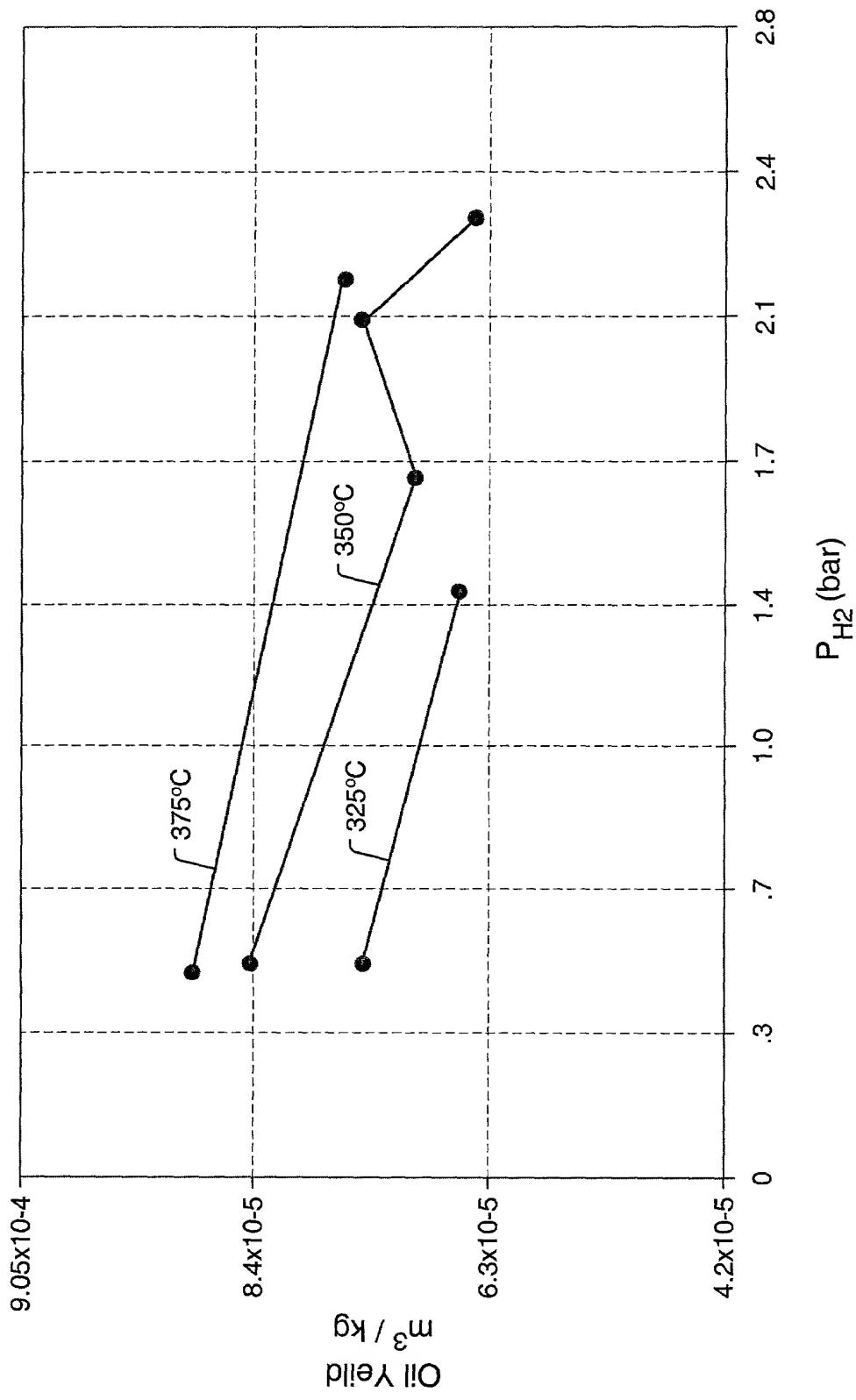


FIG. 100

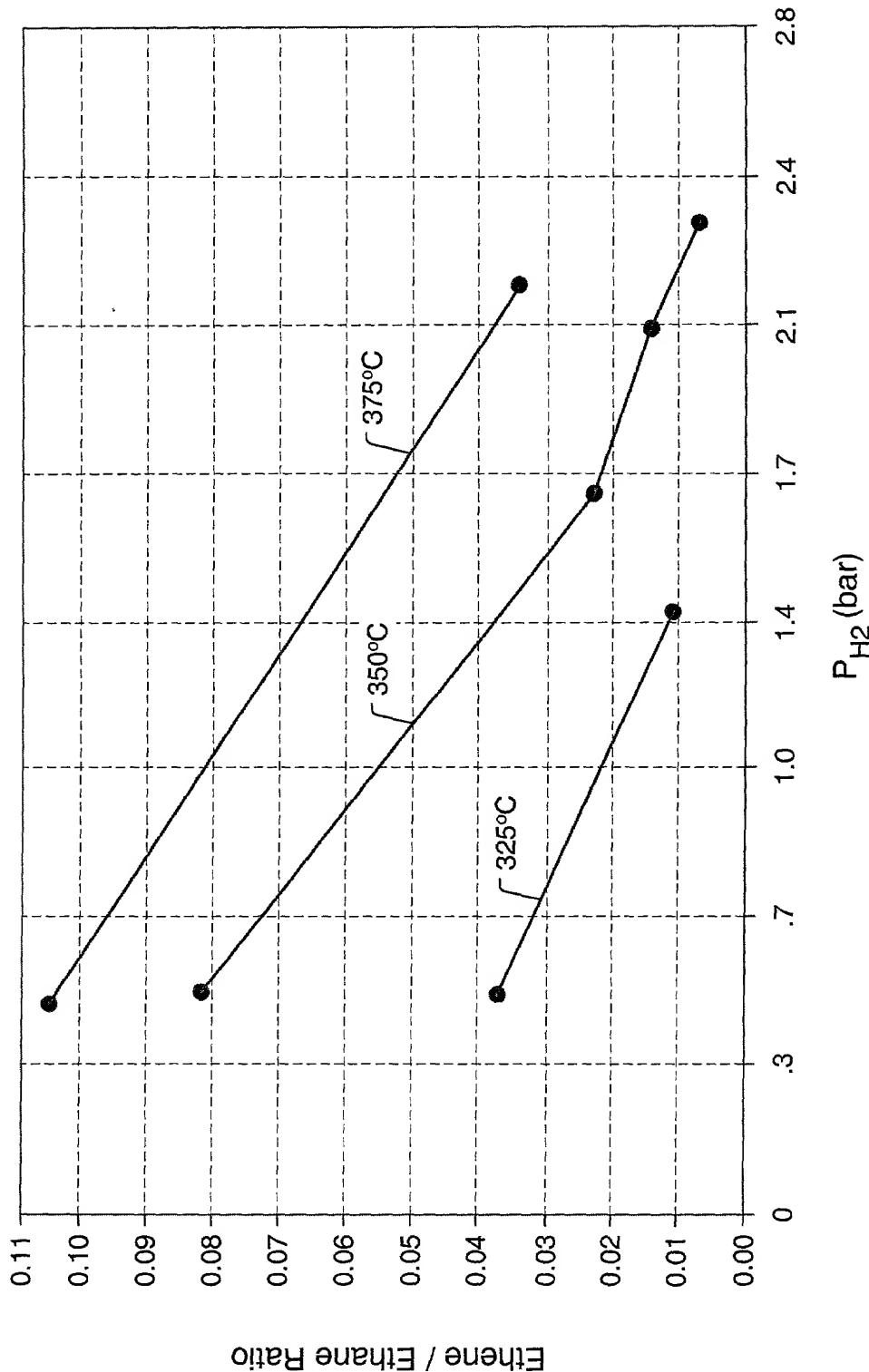


FIG. 101

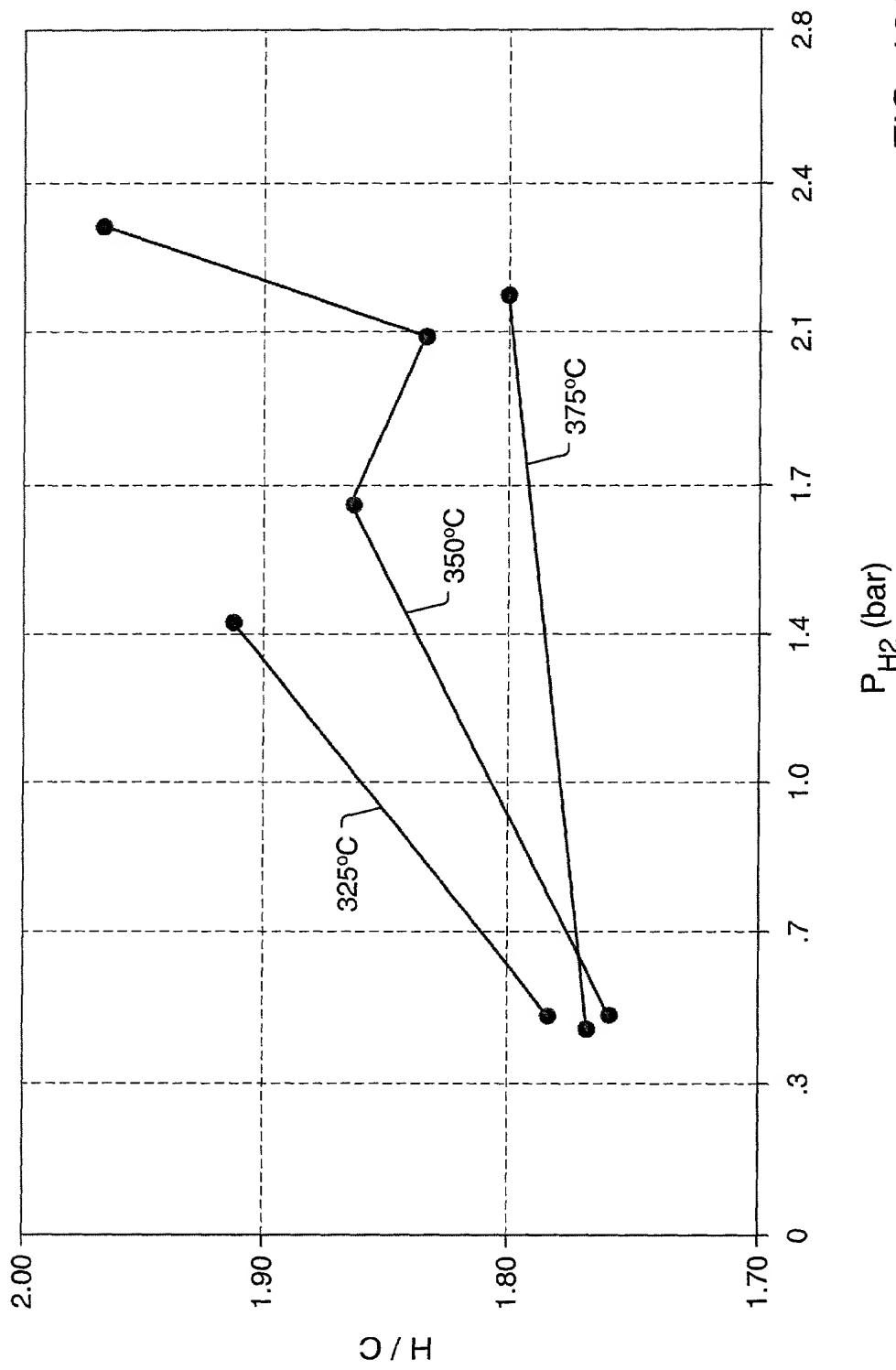


FIG. 102

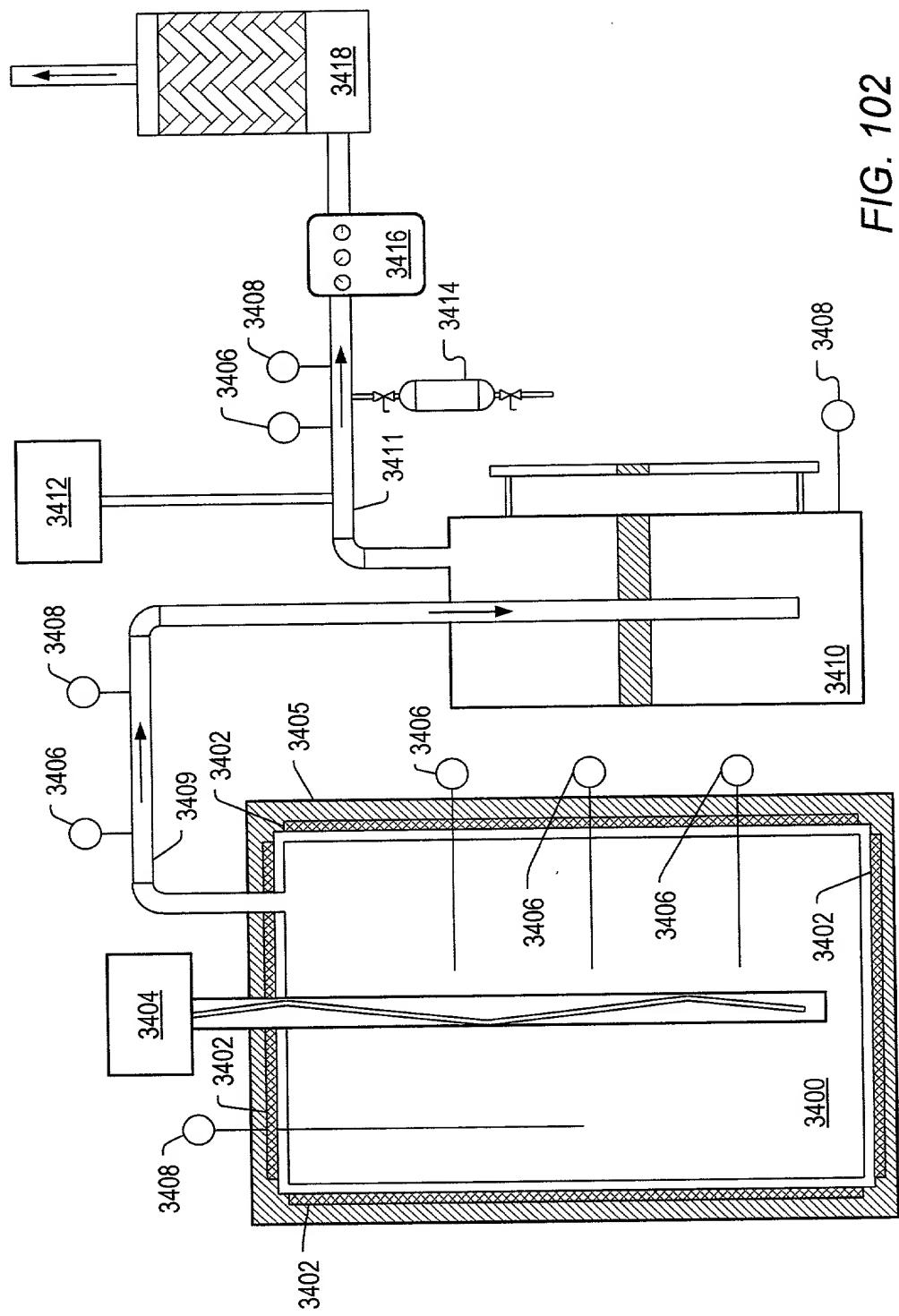
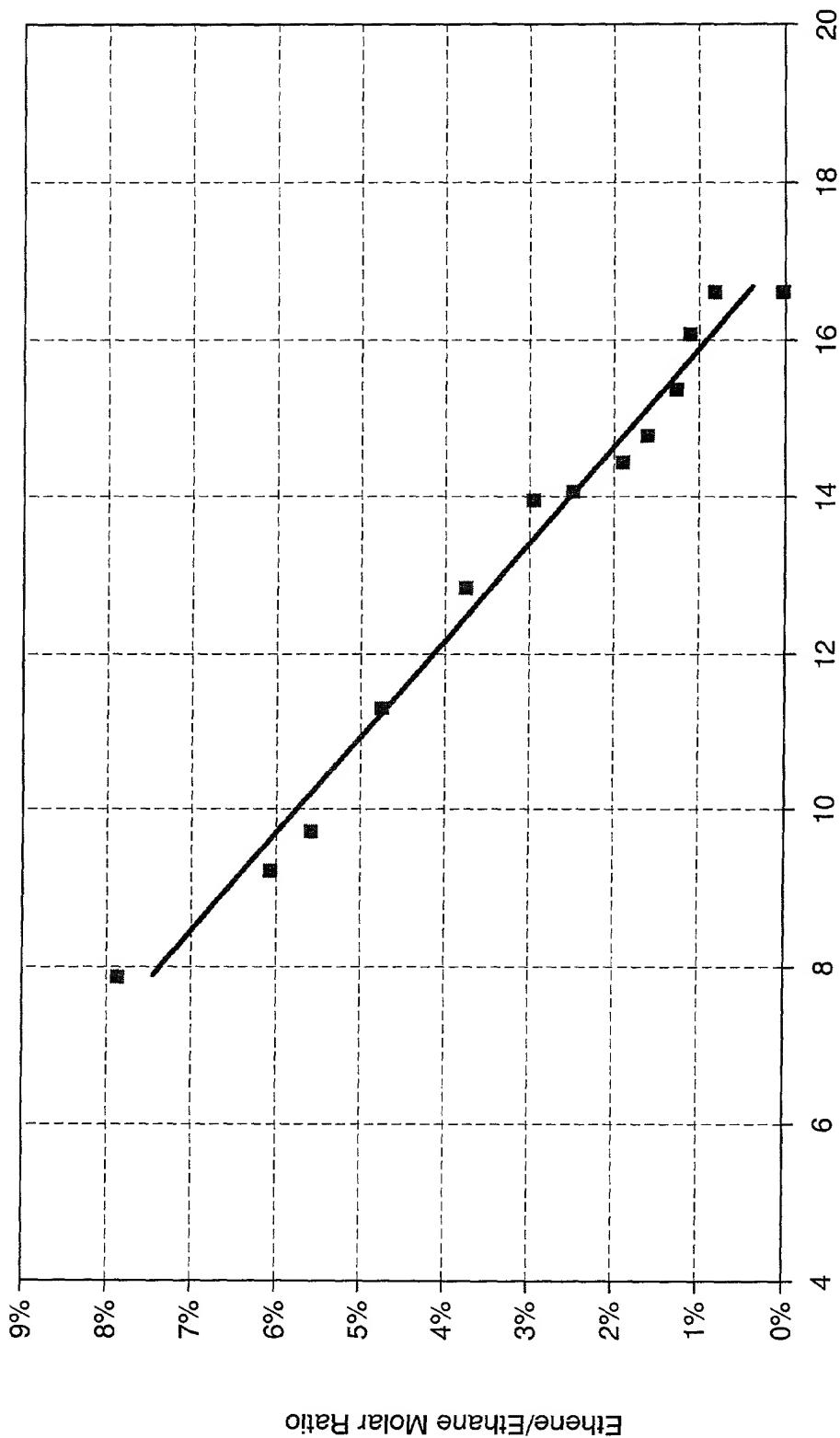
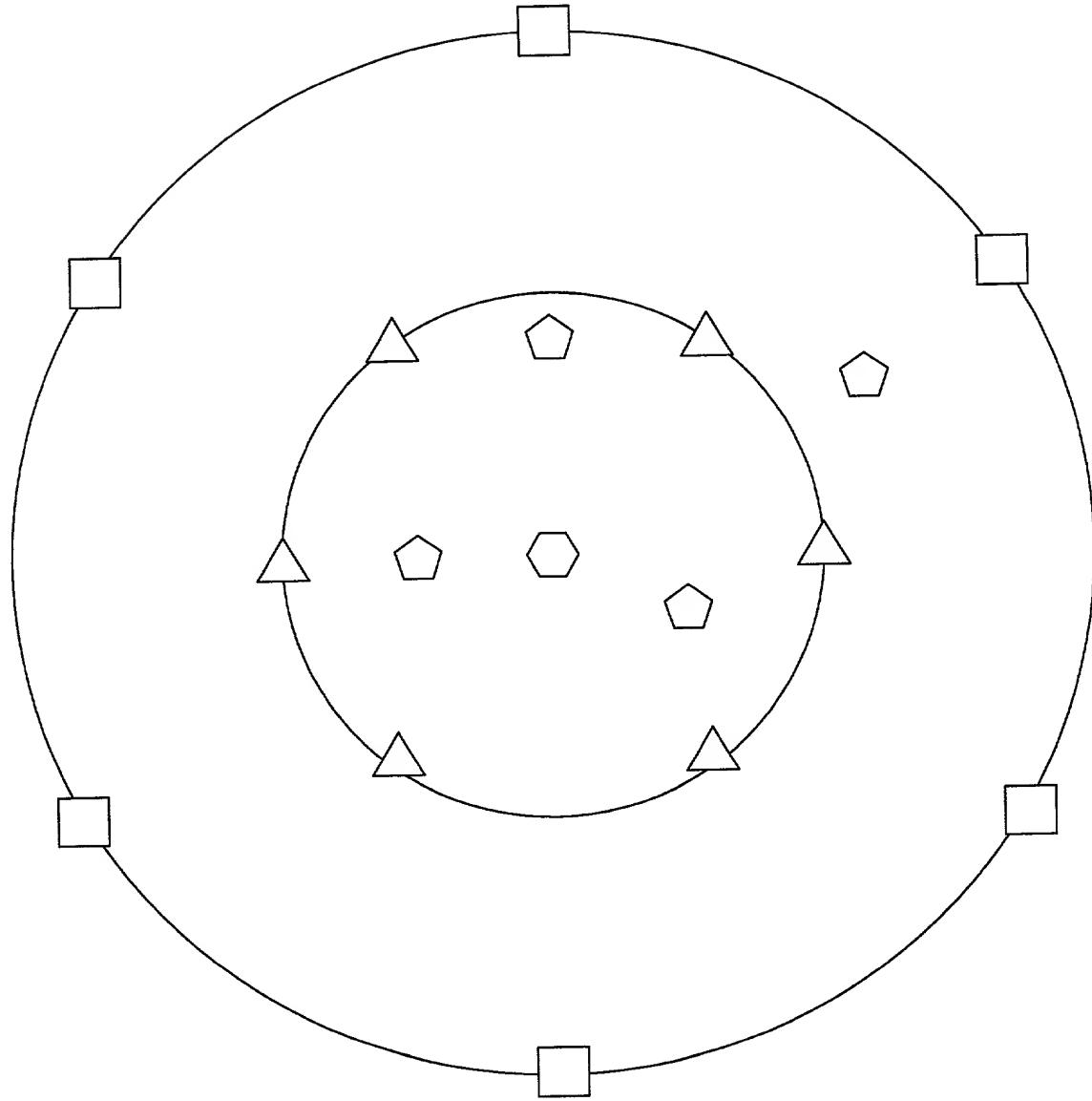


FIG. 103

H₂ Concentration (mol%)





△ - 3600

◇ - 3603

□ - 3604

○ - 3602

FIG. 104

FIG. 105

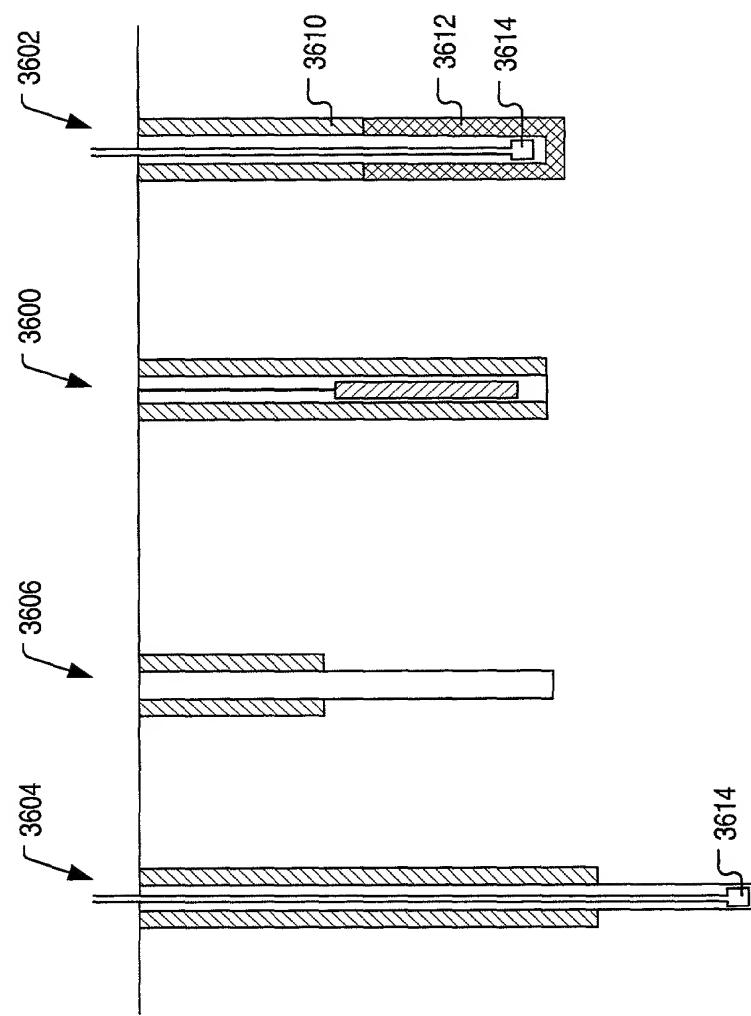


FIG. 106

time (days)

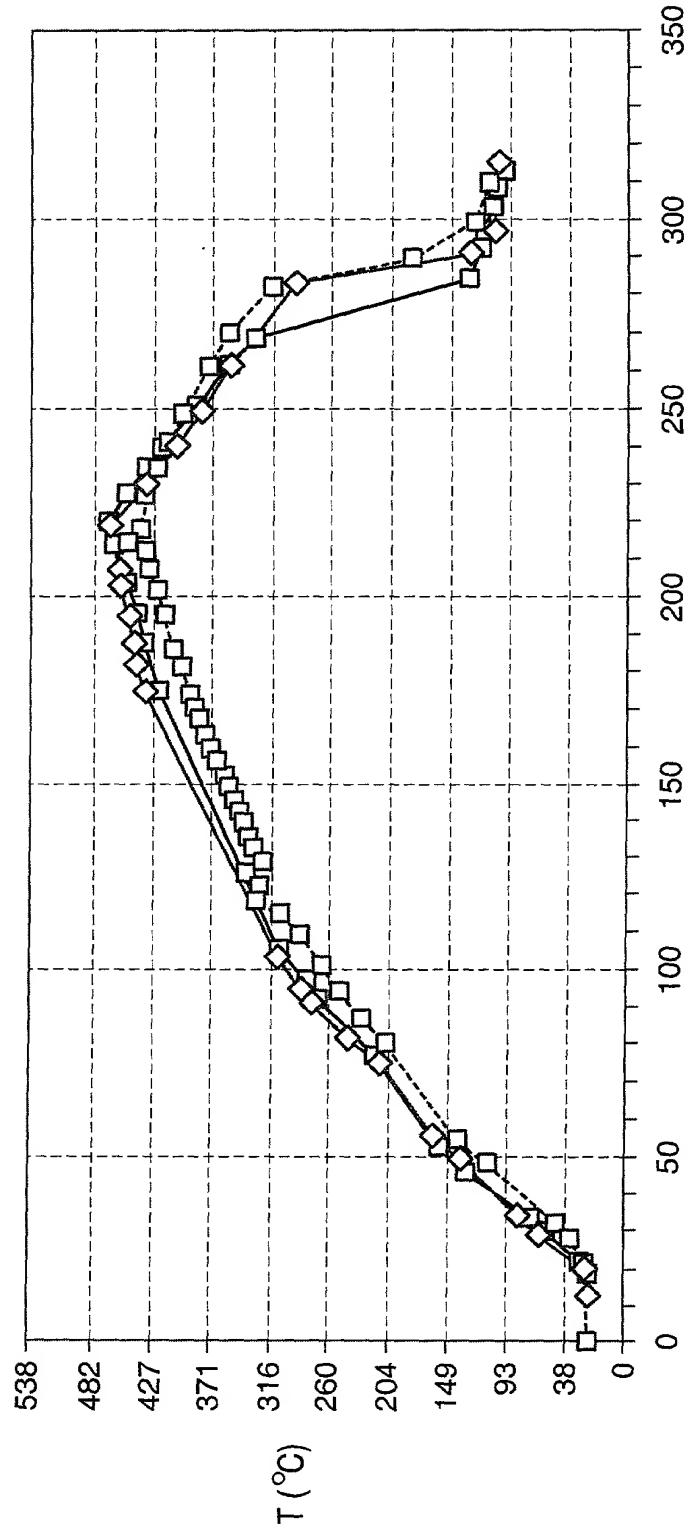
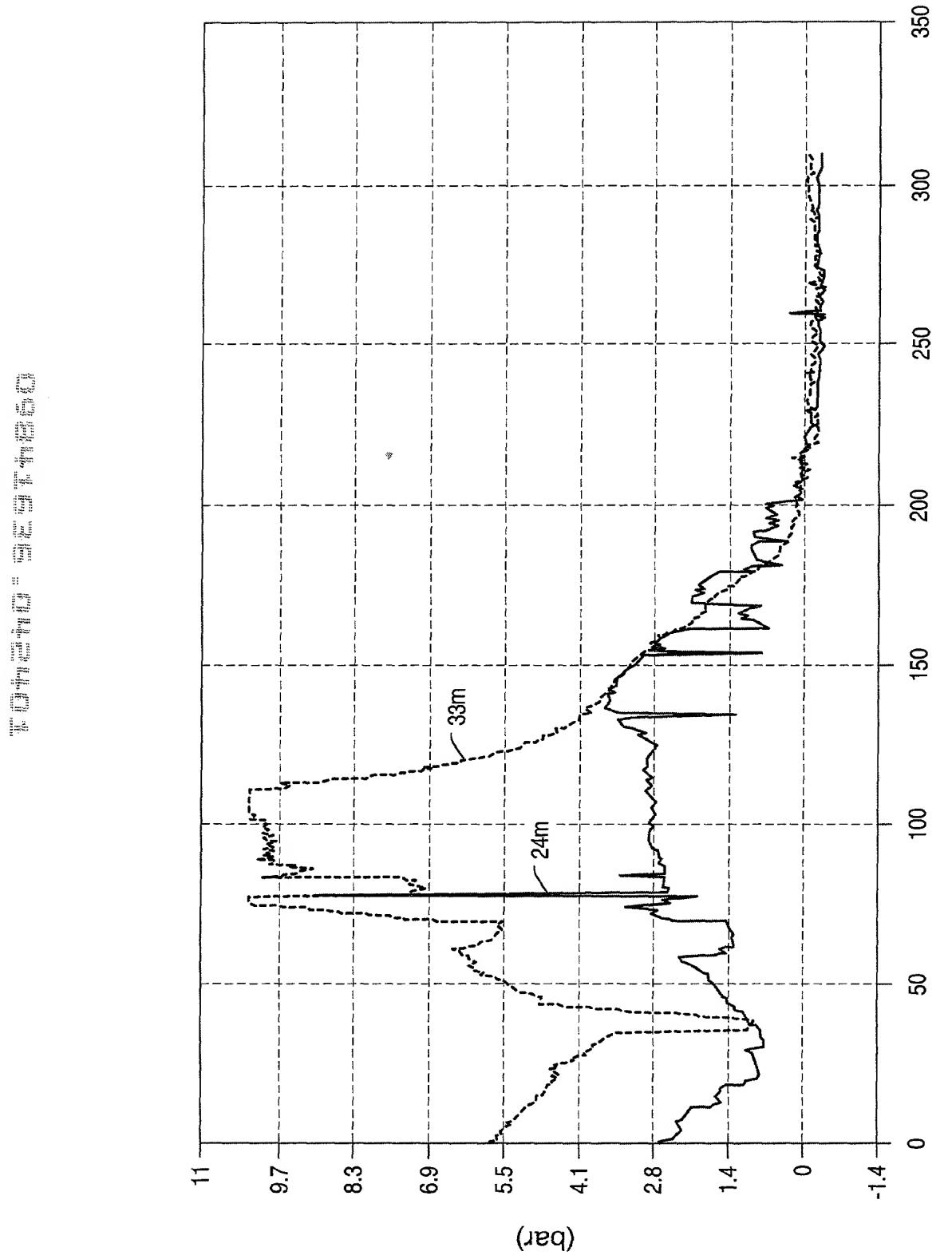


FIG. 107

t (days)



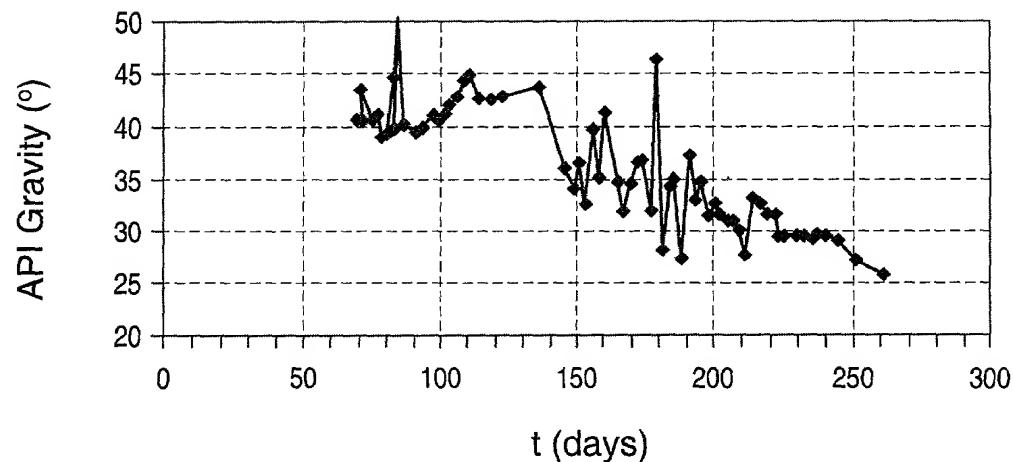


FIG. 108

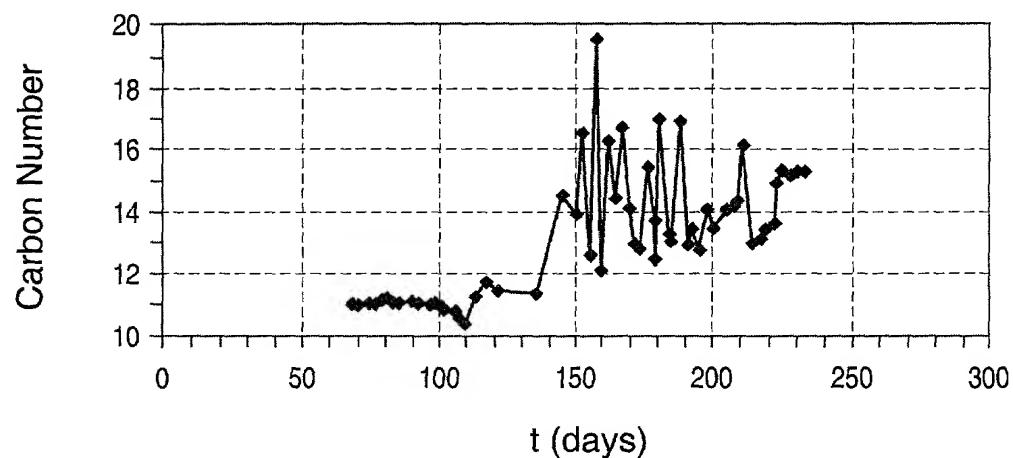


FIG. 109

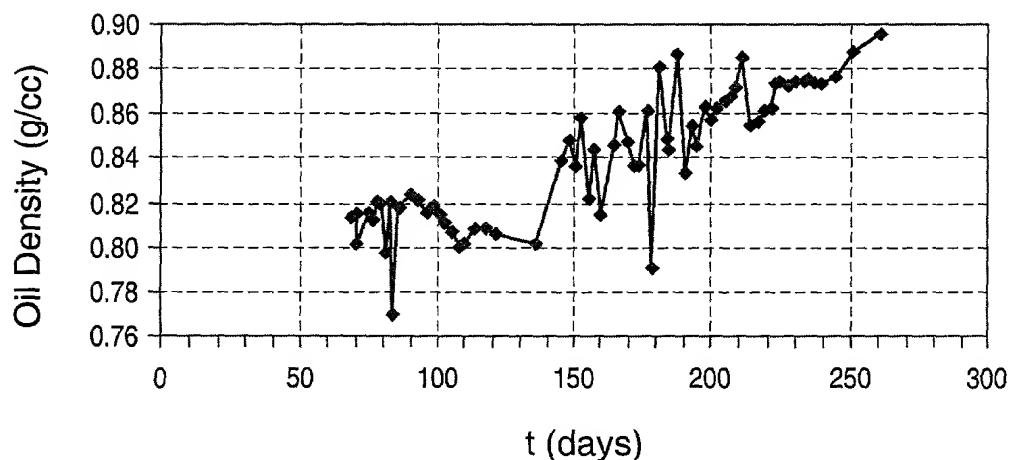


FIG. 110

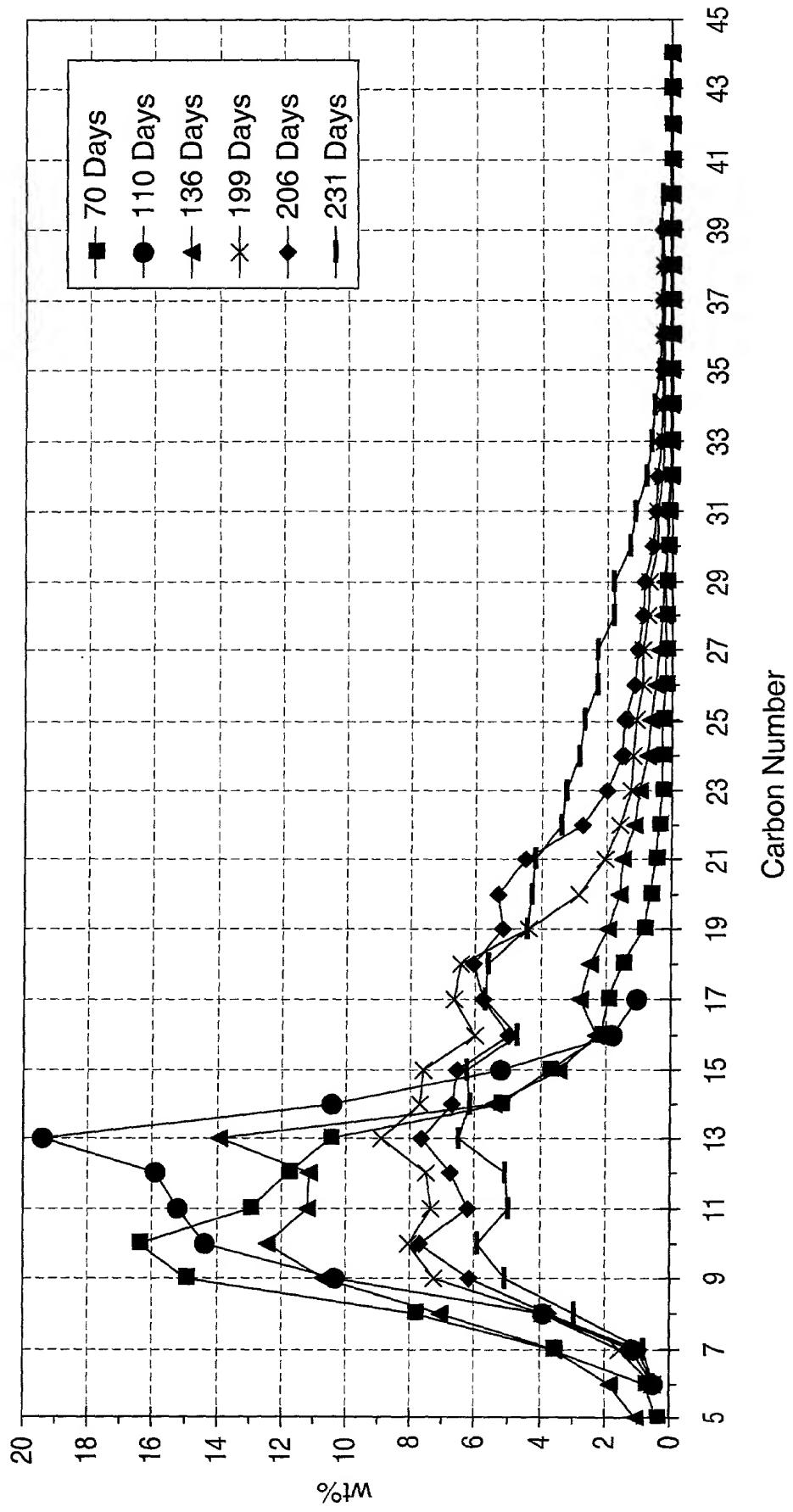


FIG. 111

Carbon Number

SCANNED, #4

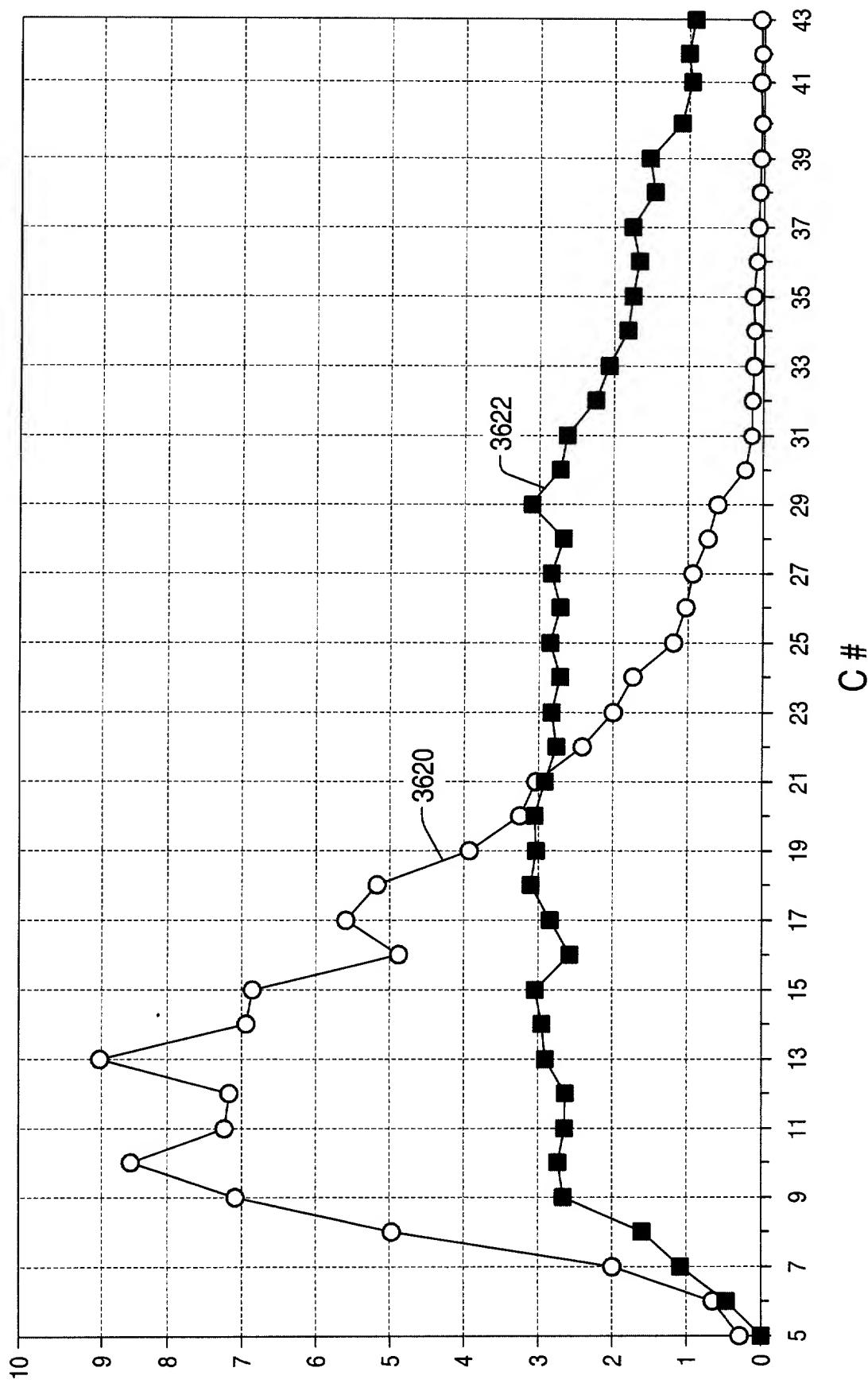


FIG. 112

SCANNED, # 4

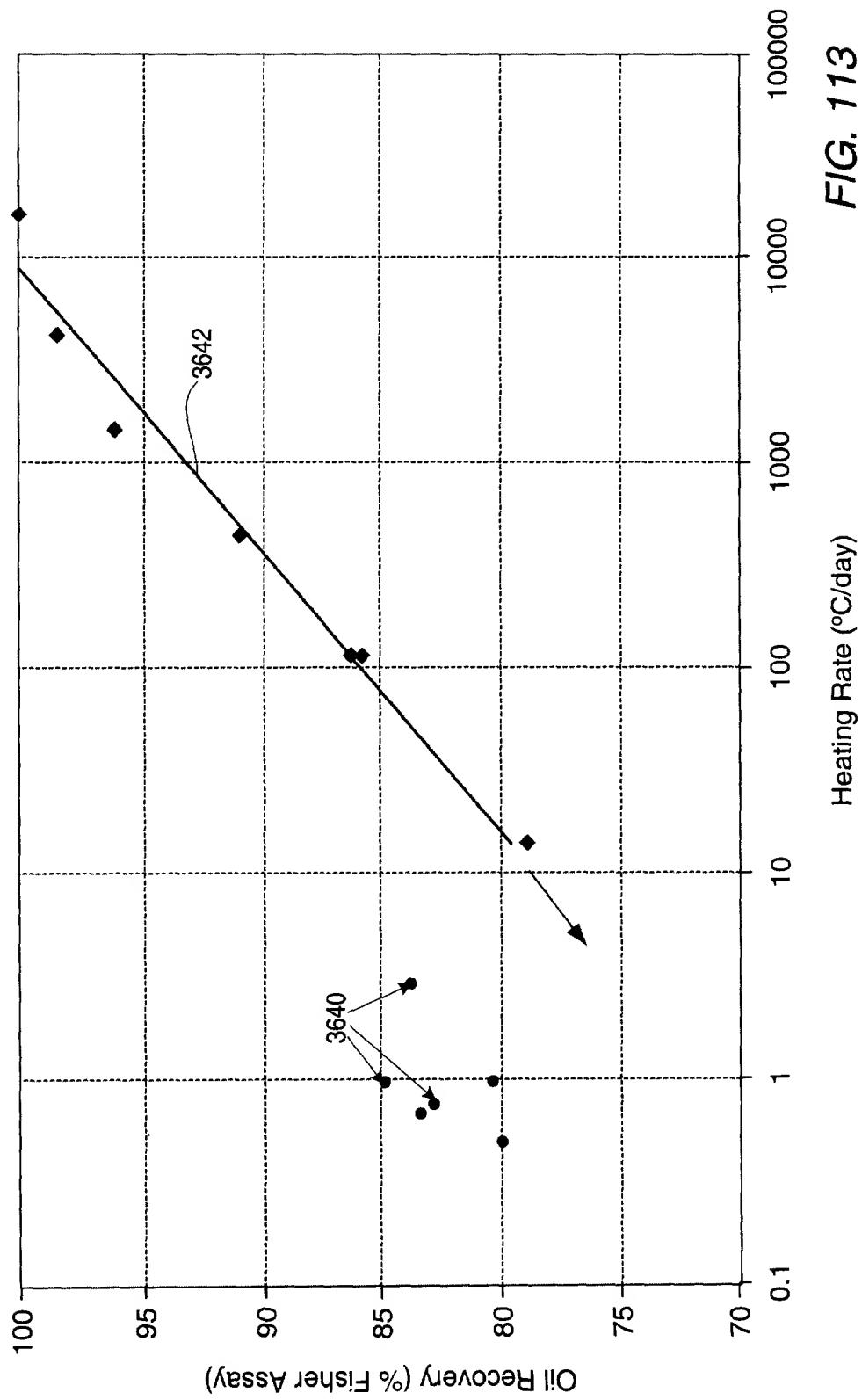
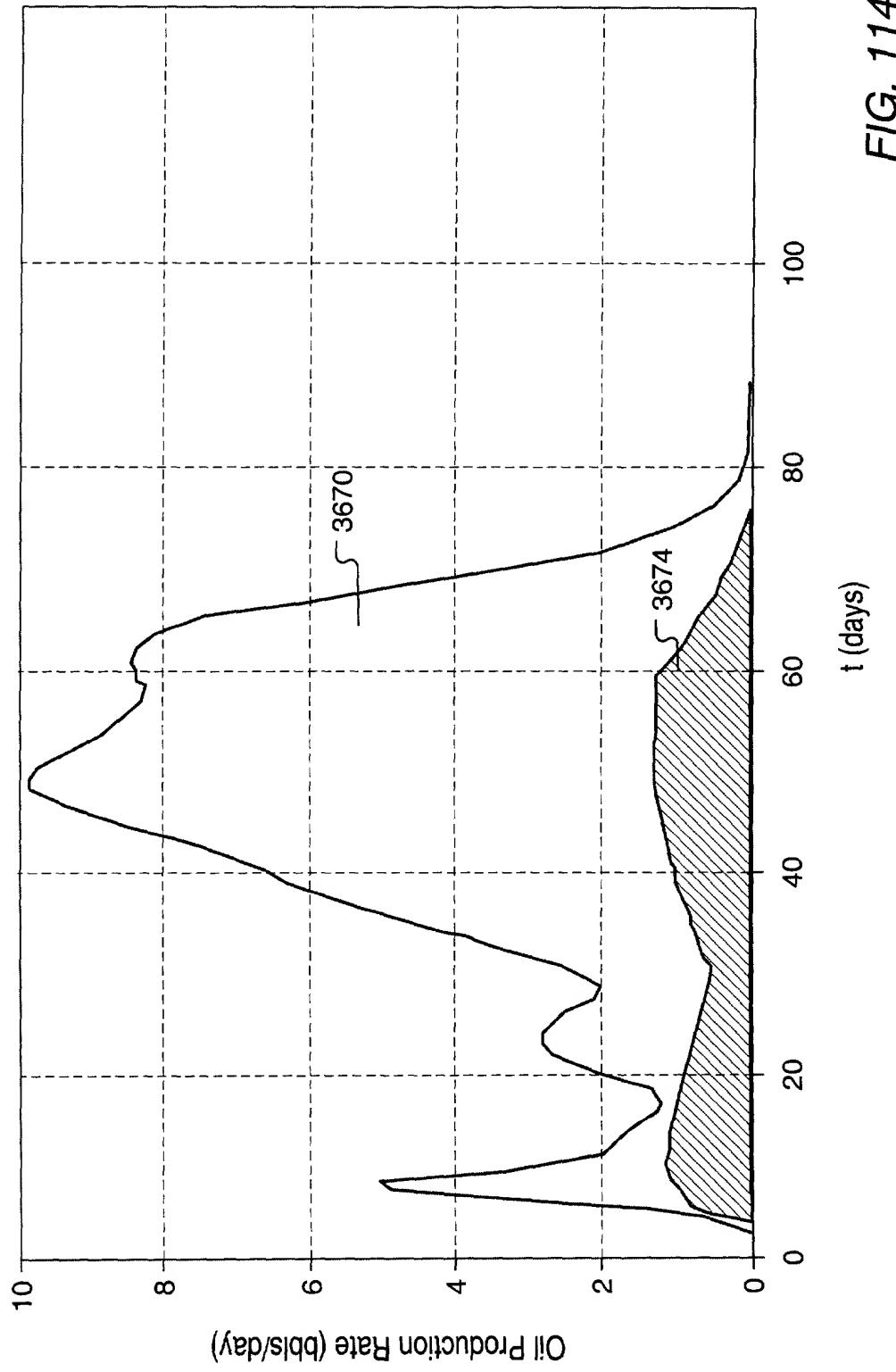


FIG. 113

SCANNED, # 6



SCANNED, # 4

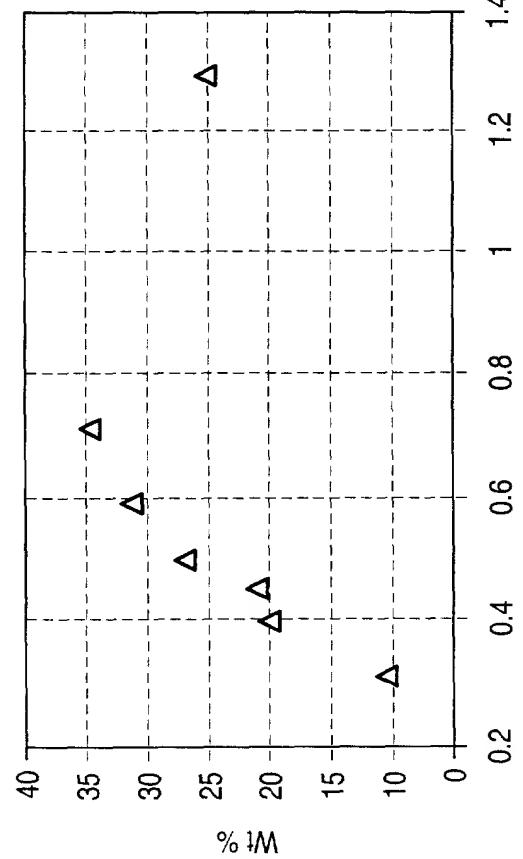


FIG. 115

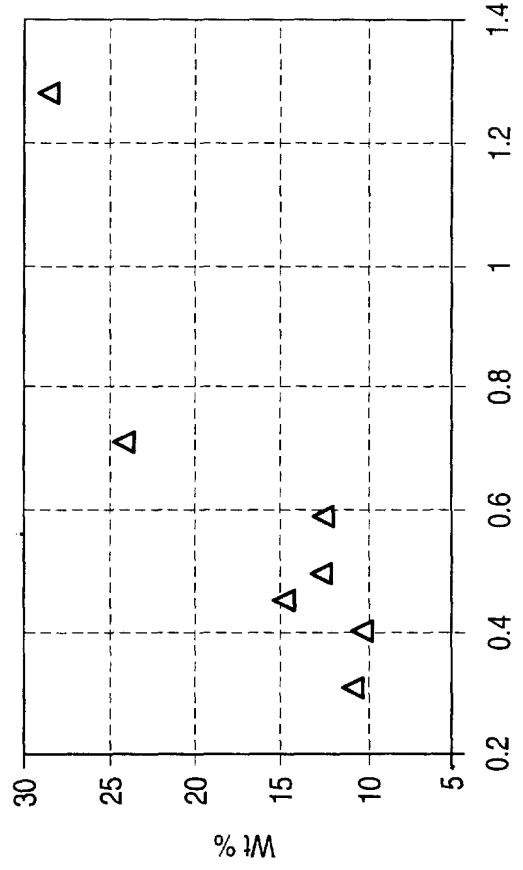


FIG. 116

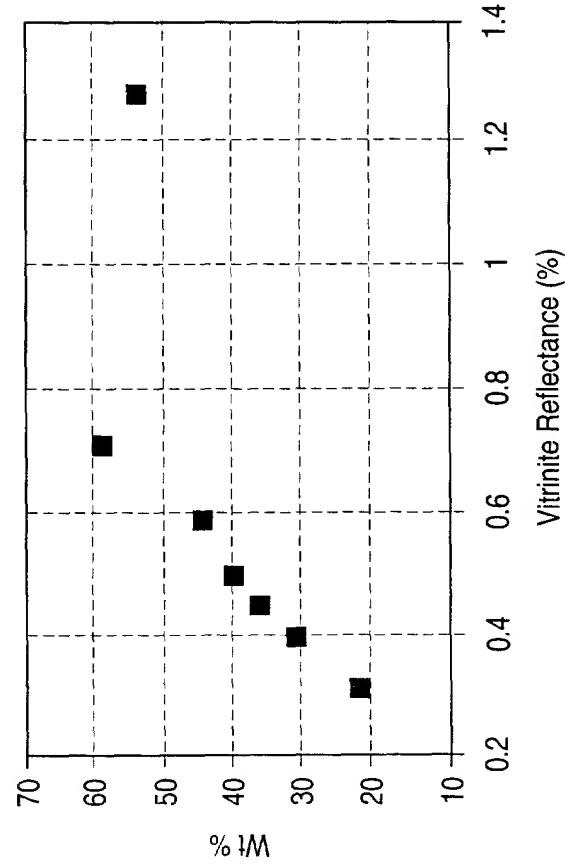


FIG. 117

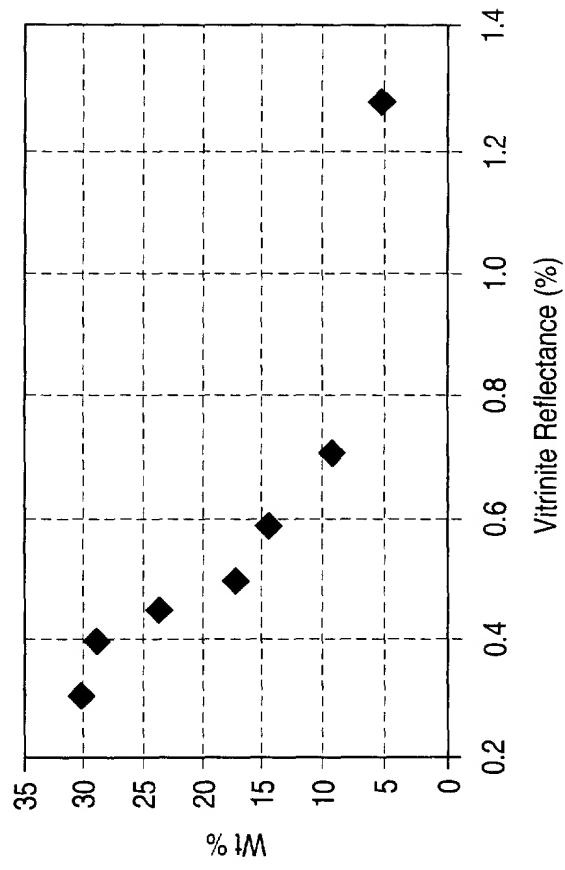


FIG. 118

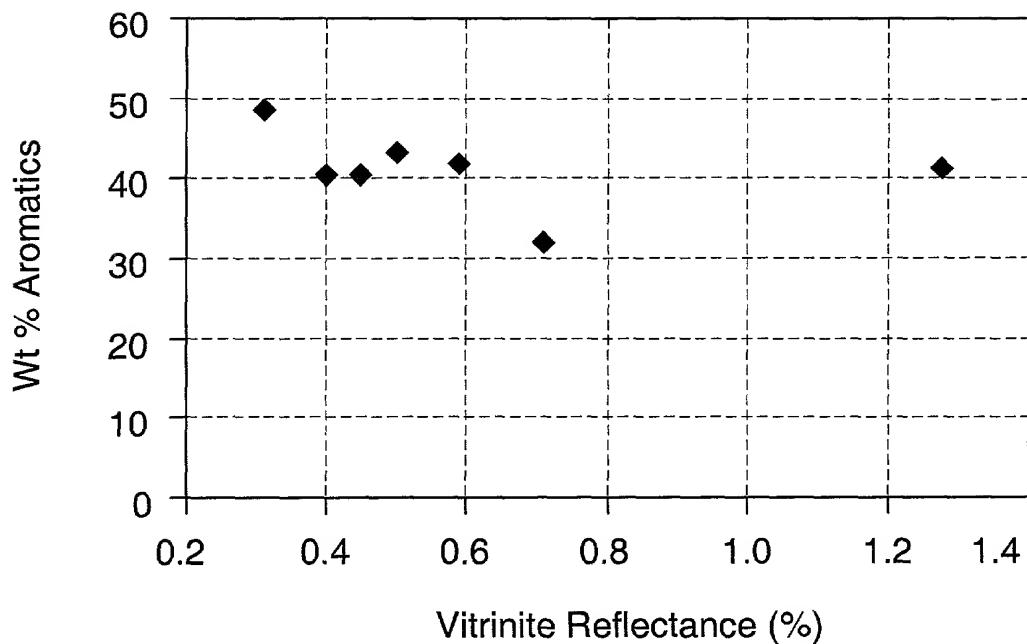


FIG. 119

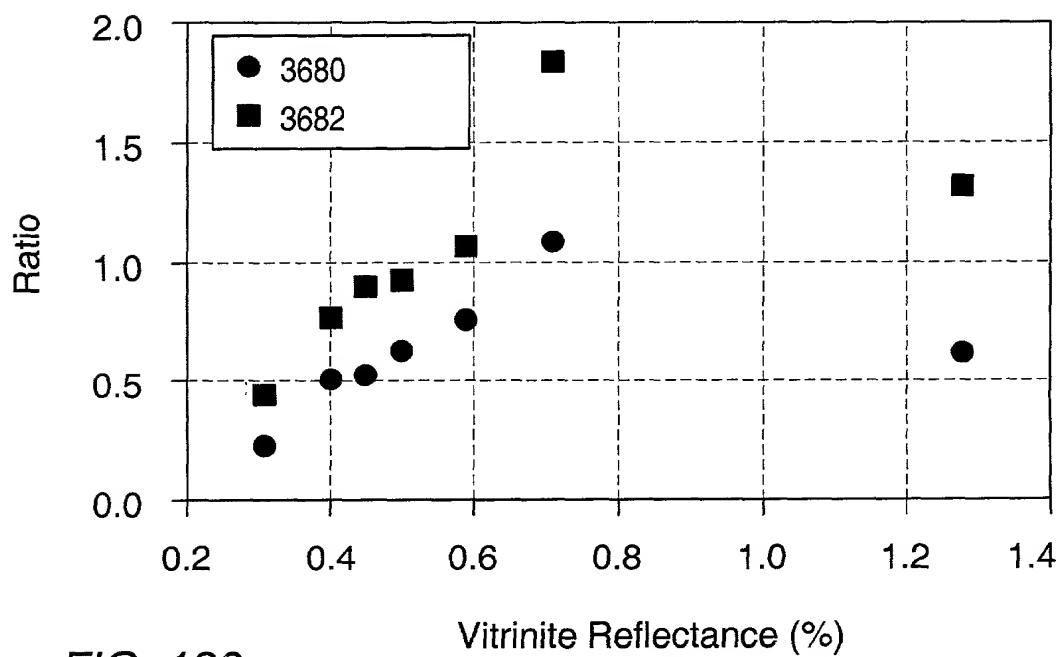


FIG. 120

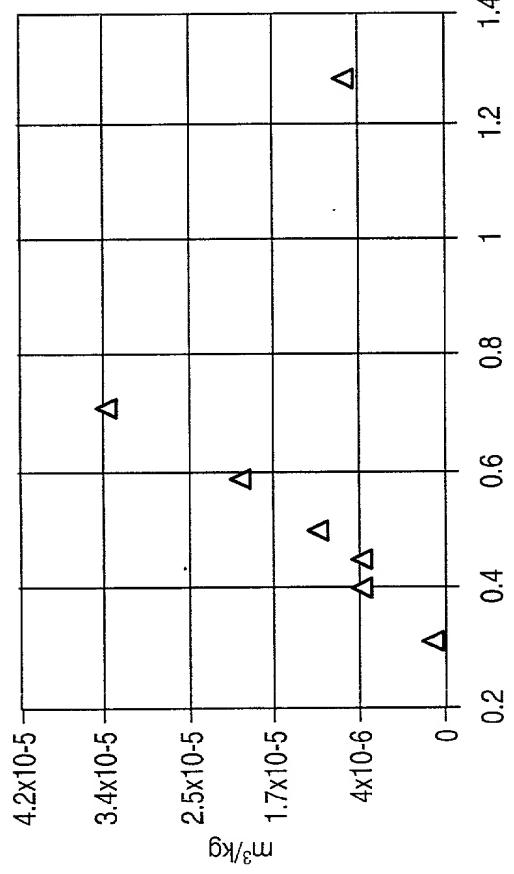


FIG. 121

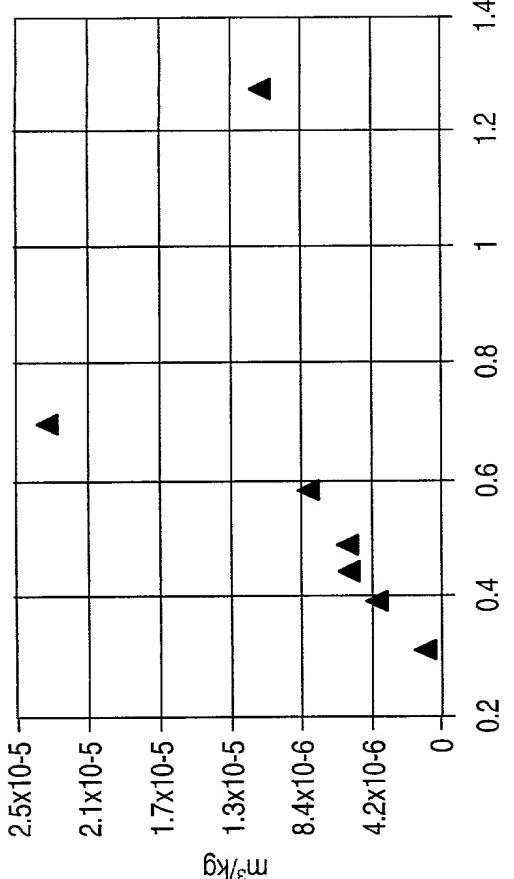


FIG. 122

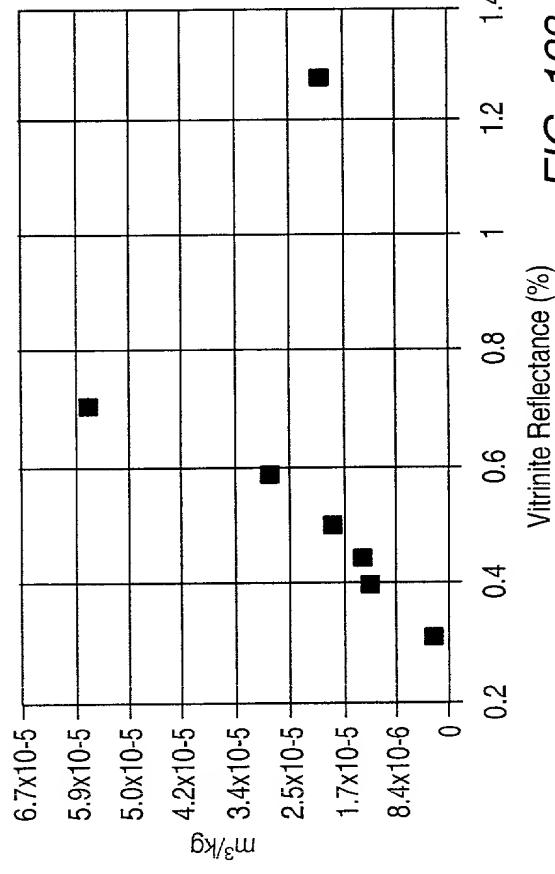


FIG. 123

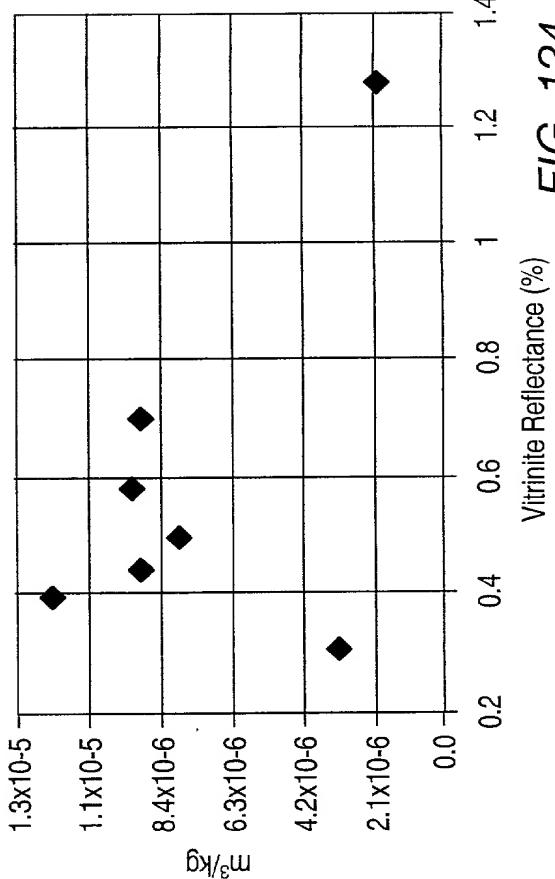


FIG. 124

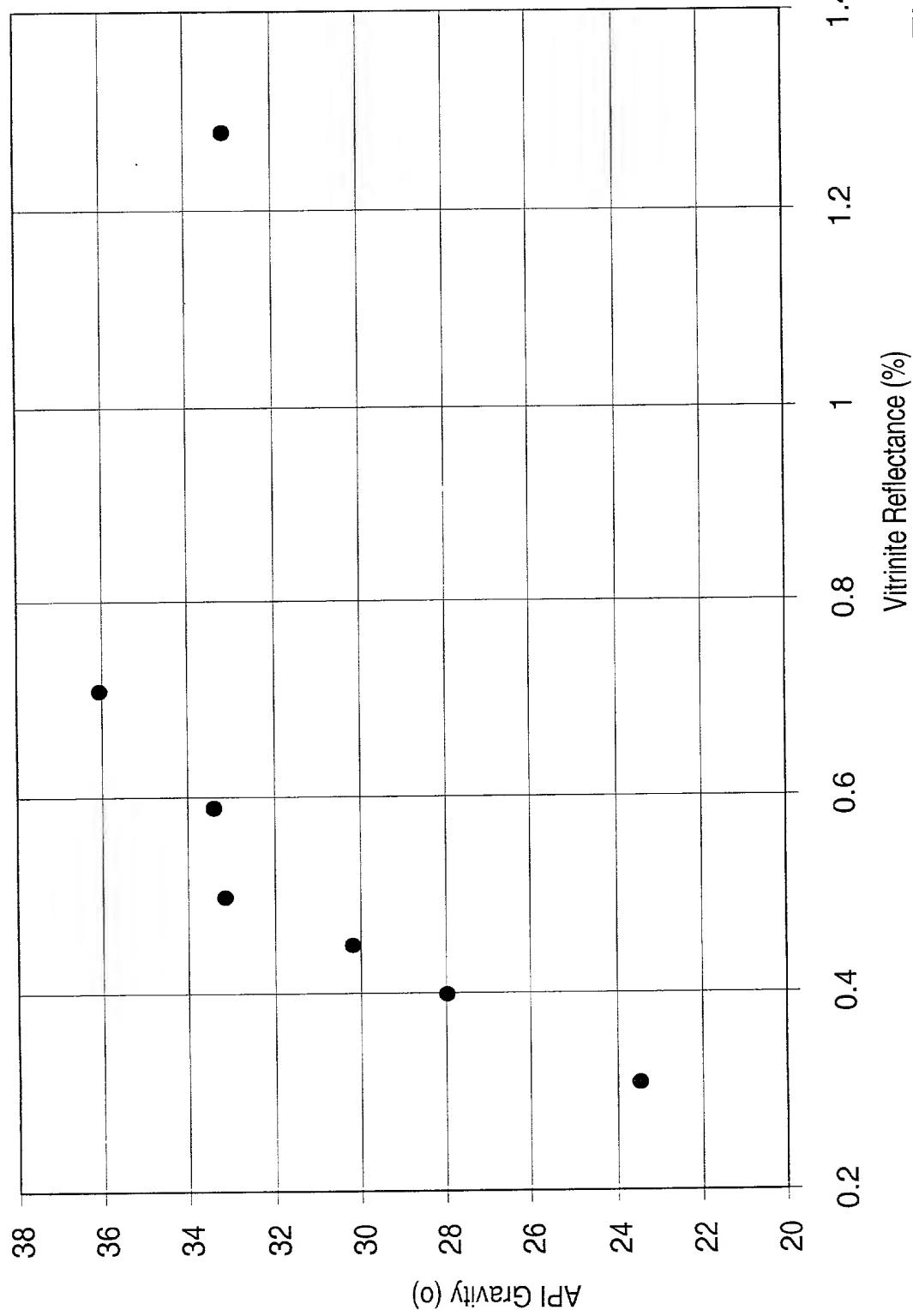
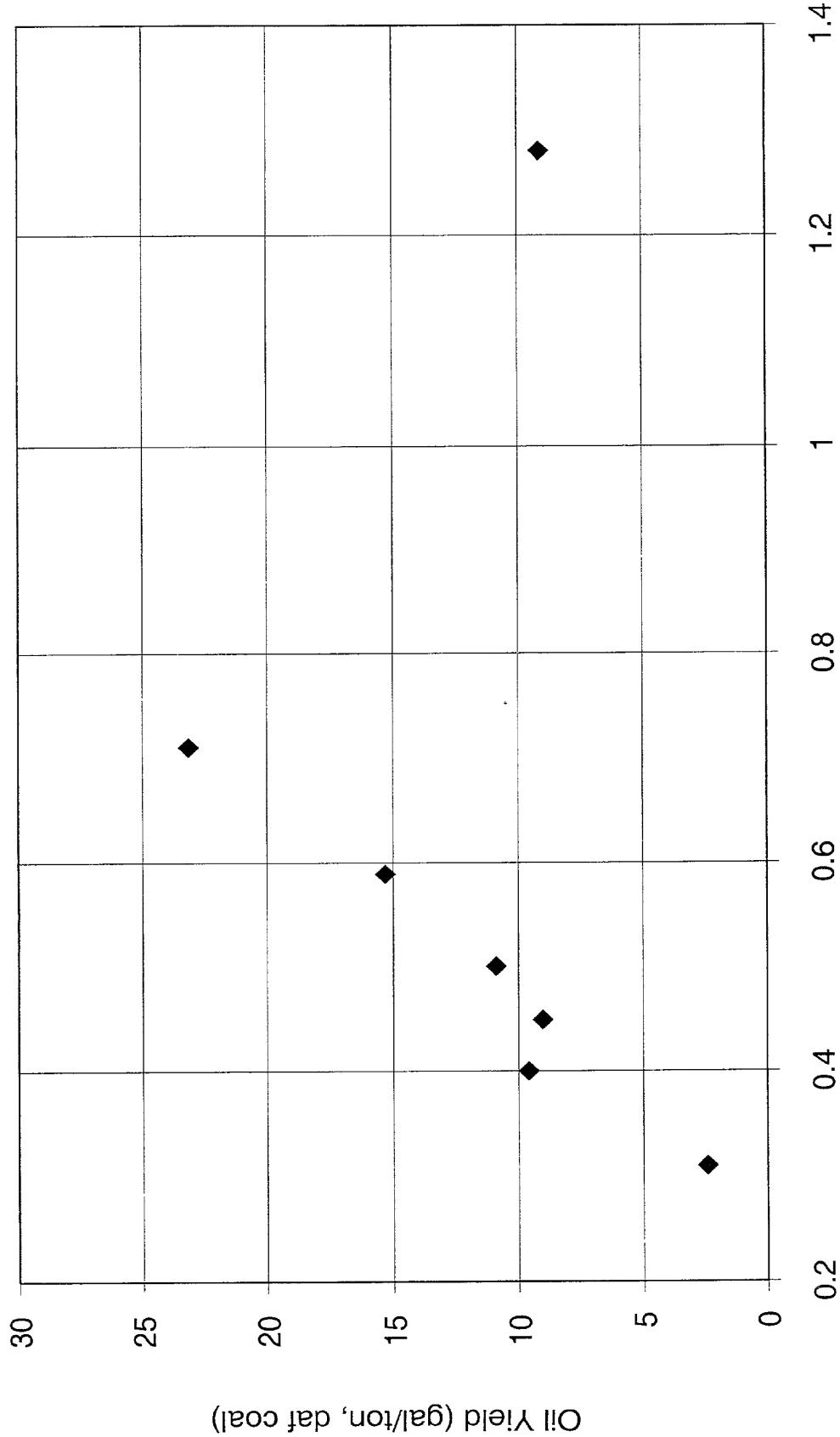


FIG. 125

FIG. 126

Vitrinite Reflectance (%)



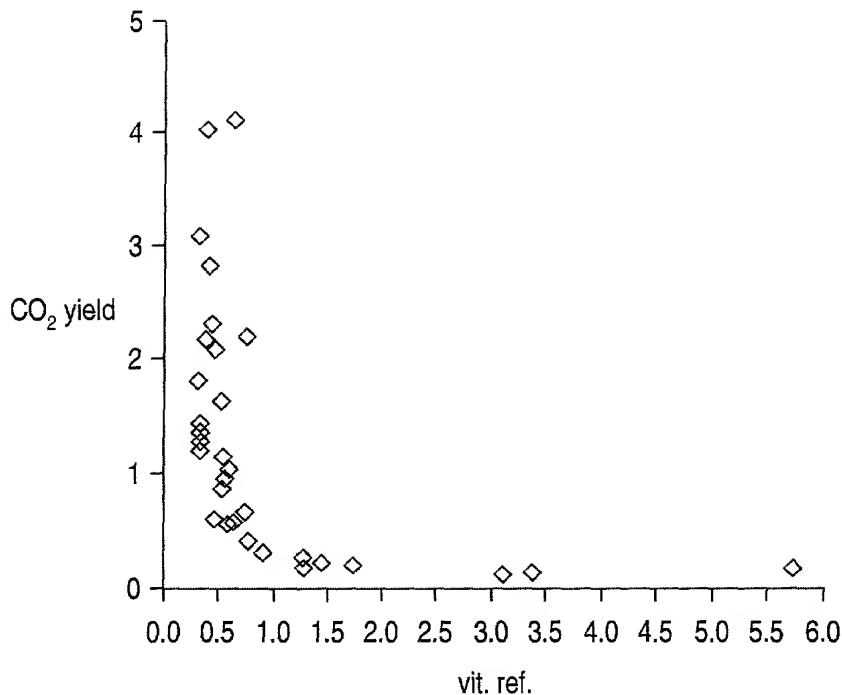


FIG. 127

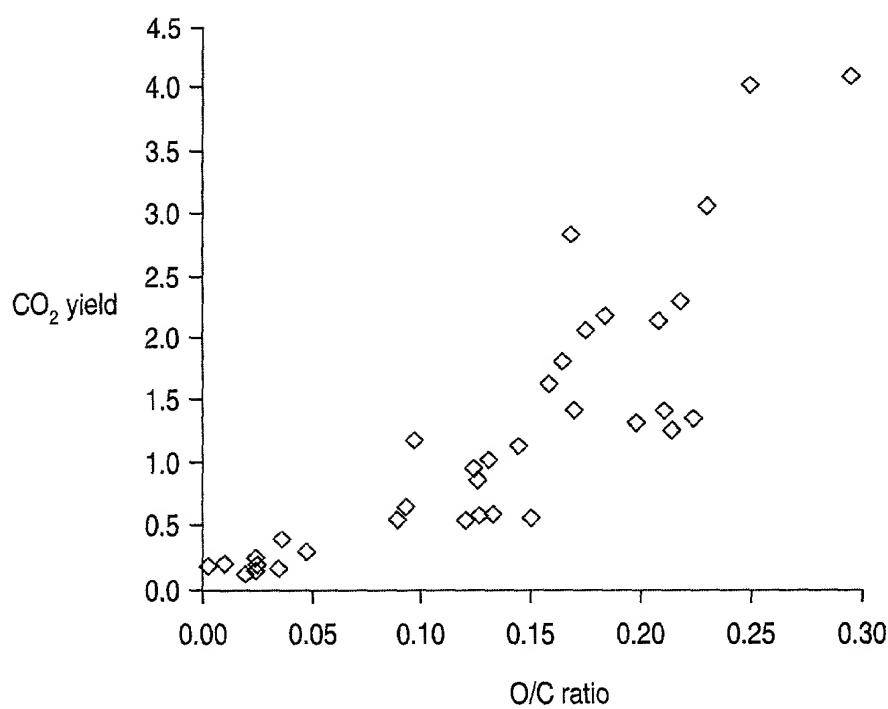
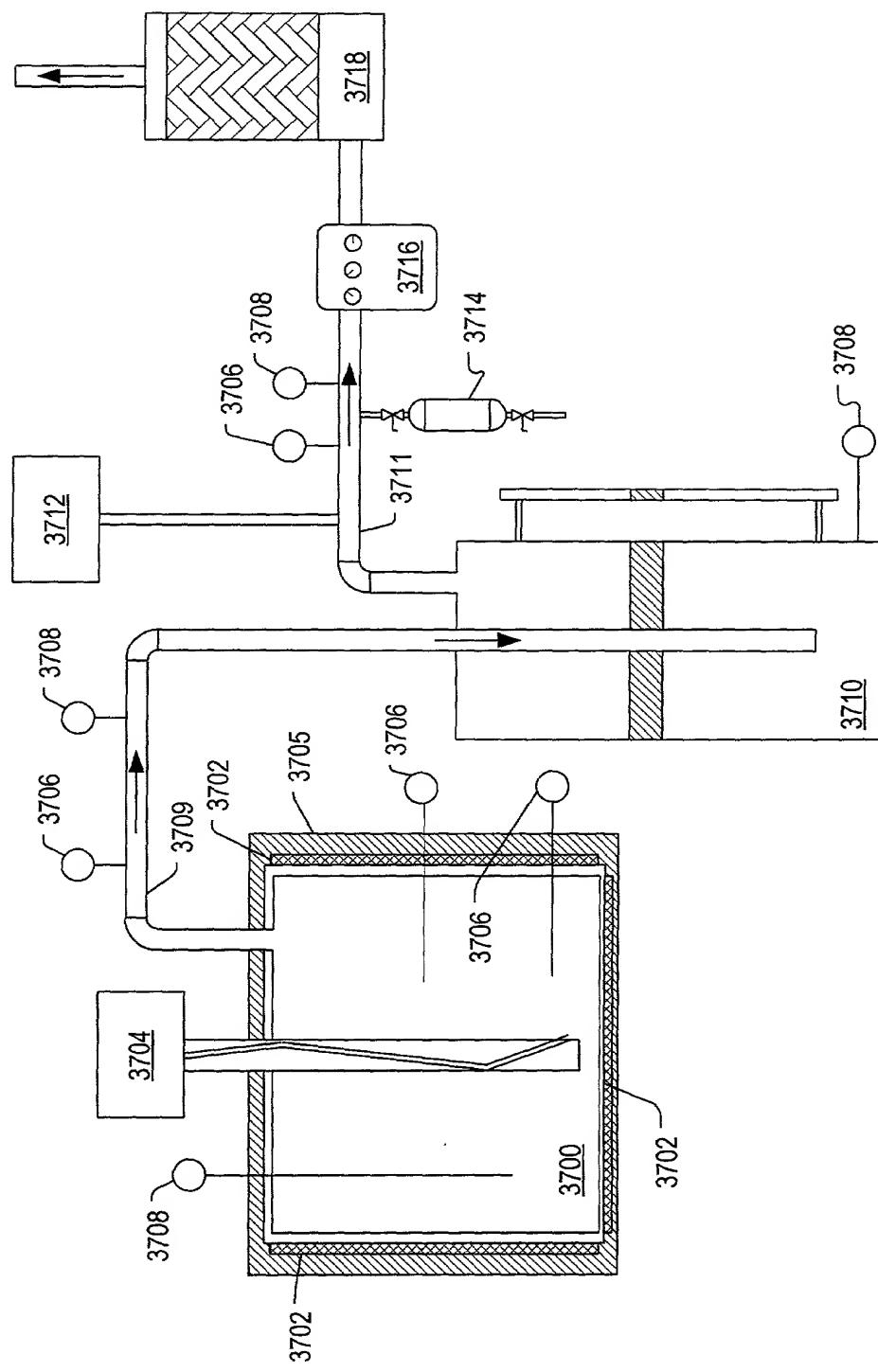


FIG. 128

FIG. 129

3700 3702 3704 3706 3708 3710 3712 3714 3716 3718



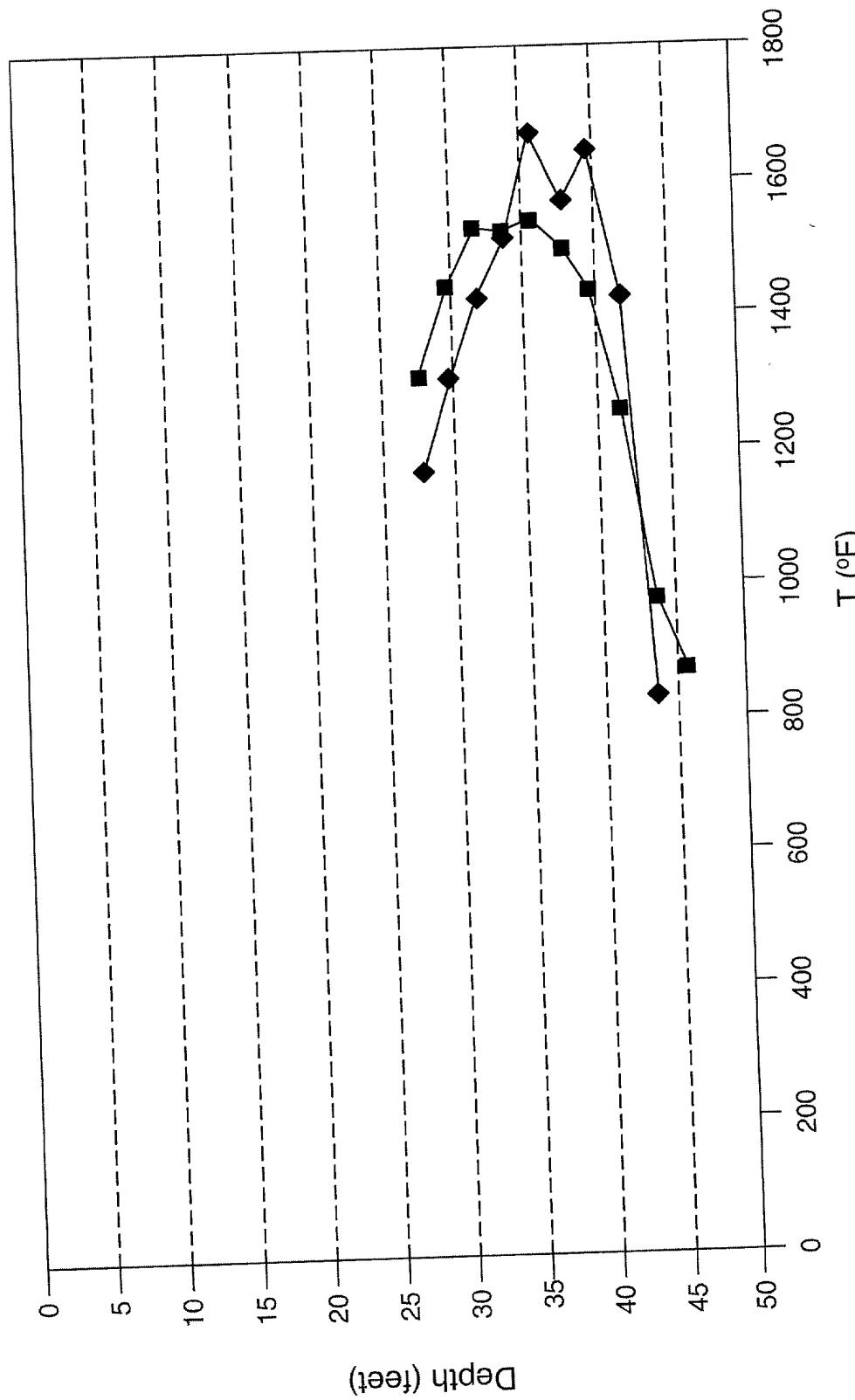


FIG. 130

FIG. 131

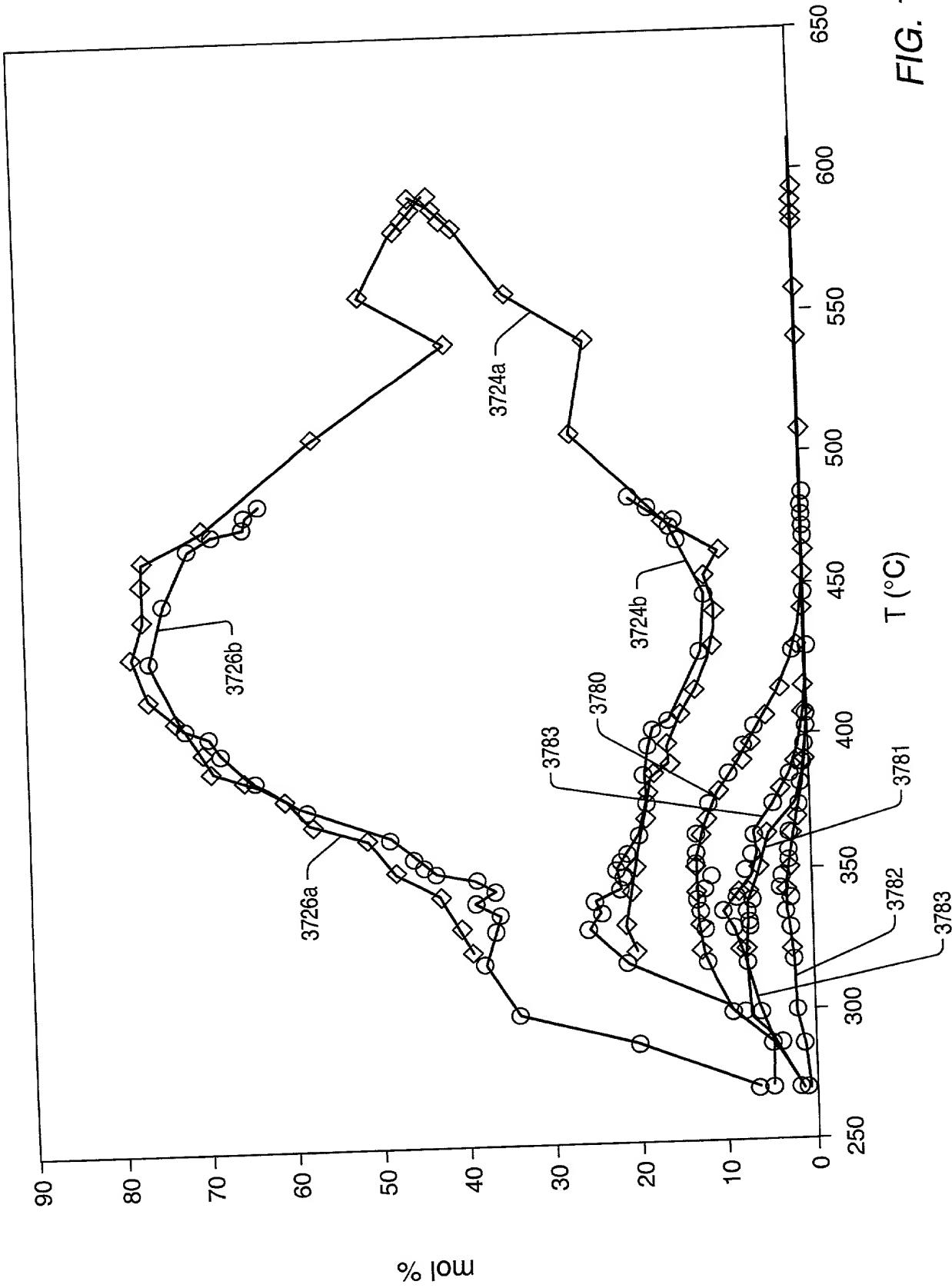


FIG. 132

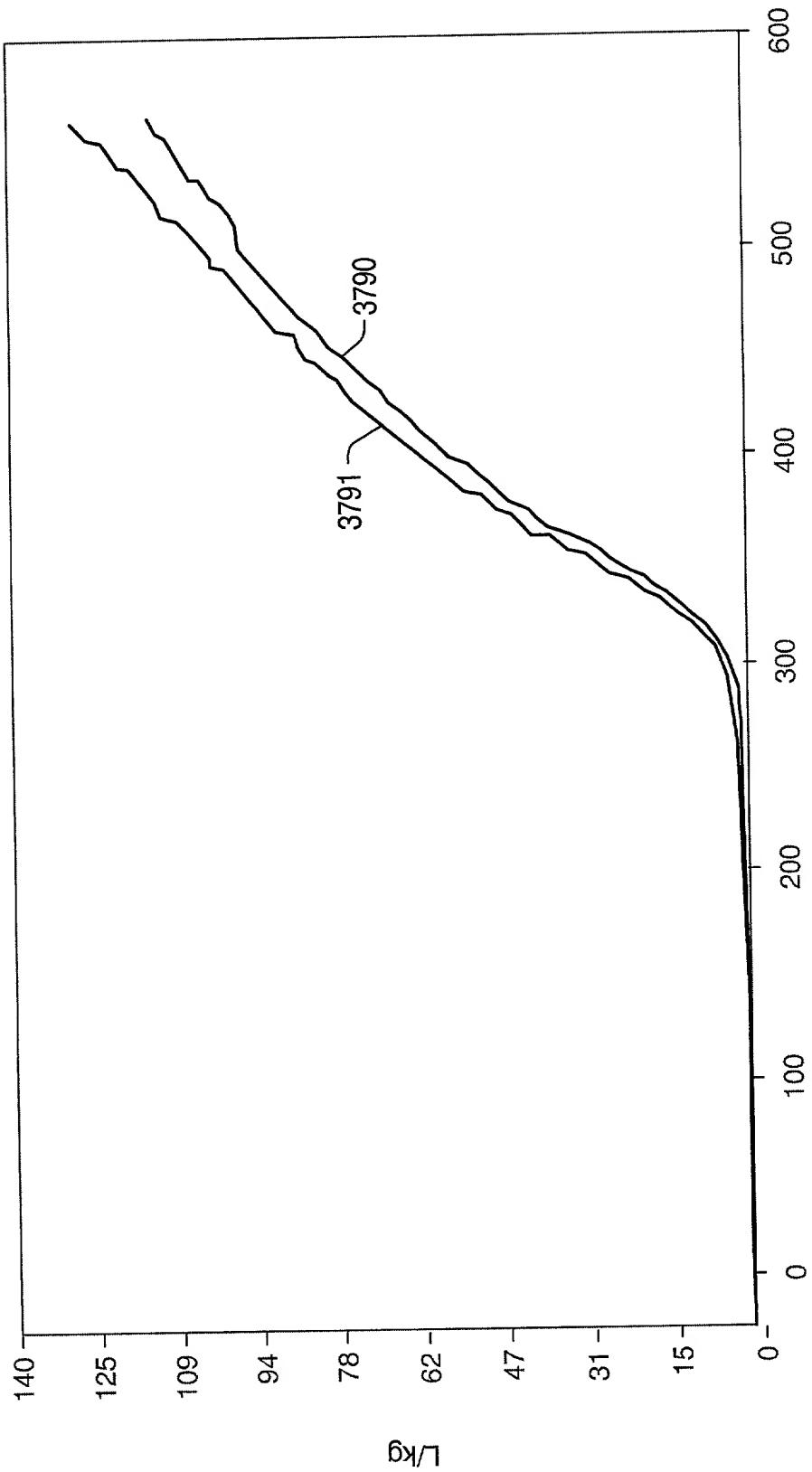


FIG. 133

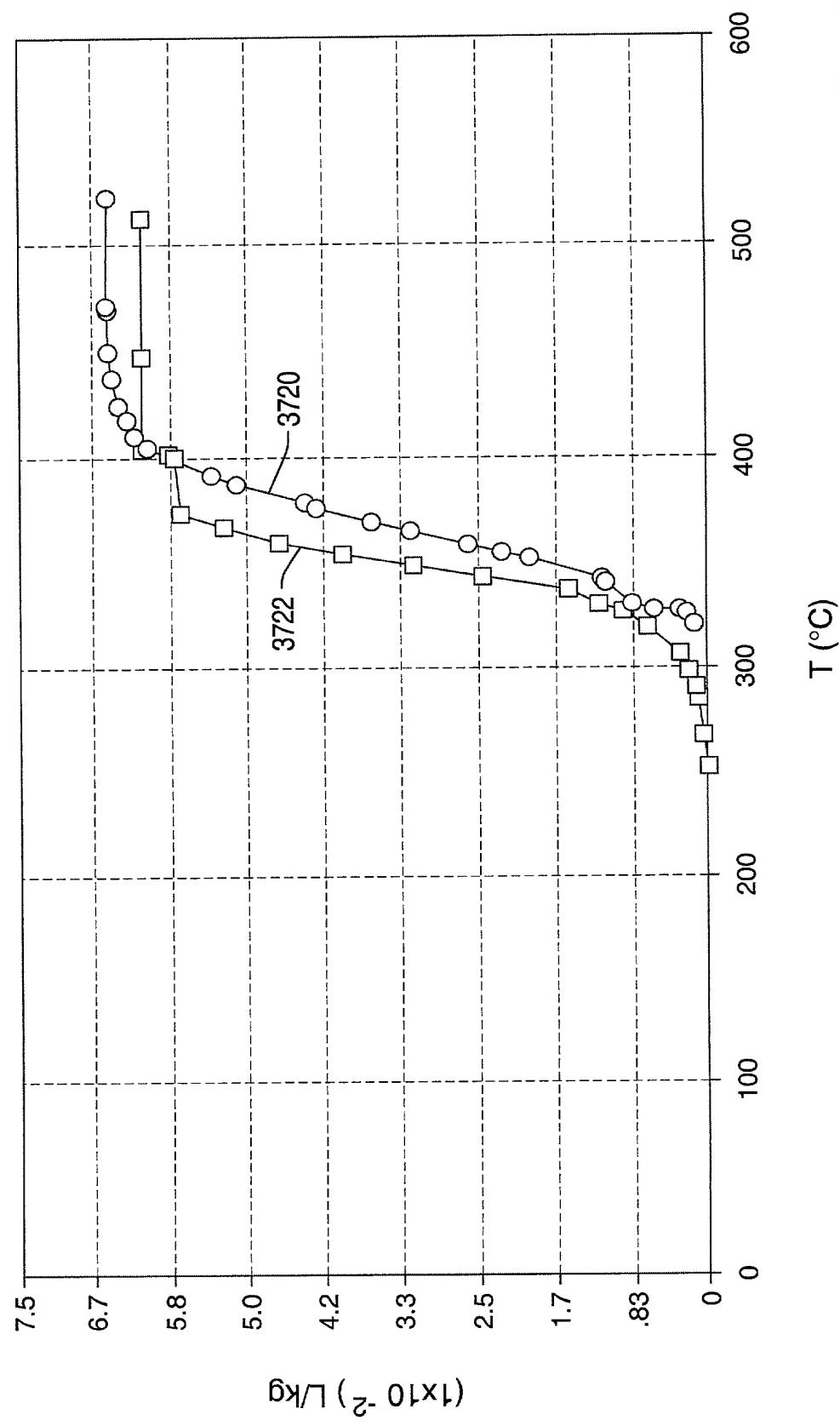
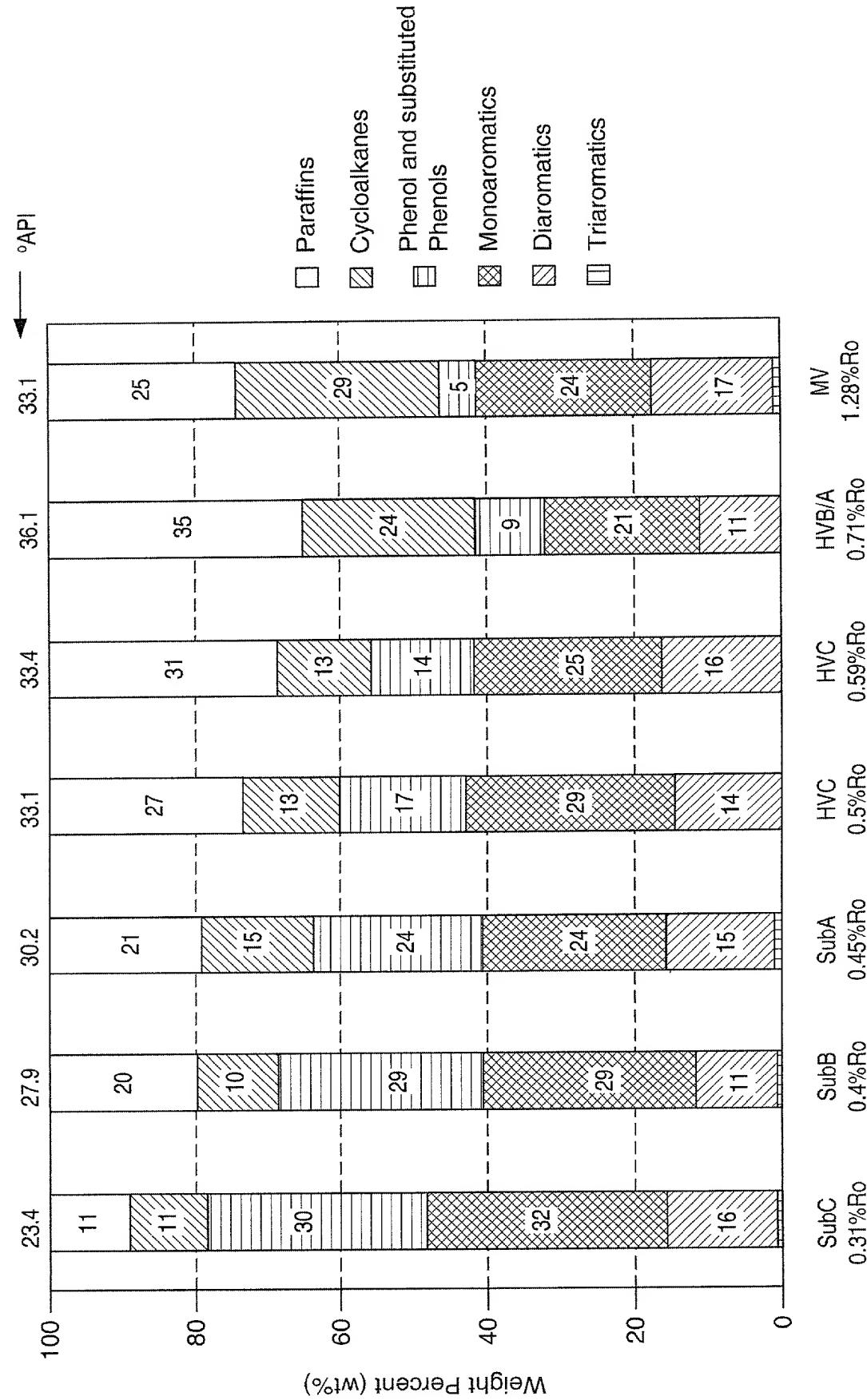


FIG. 134



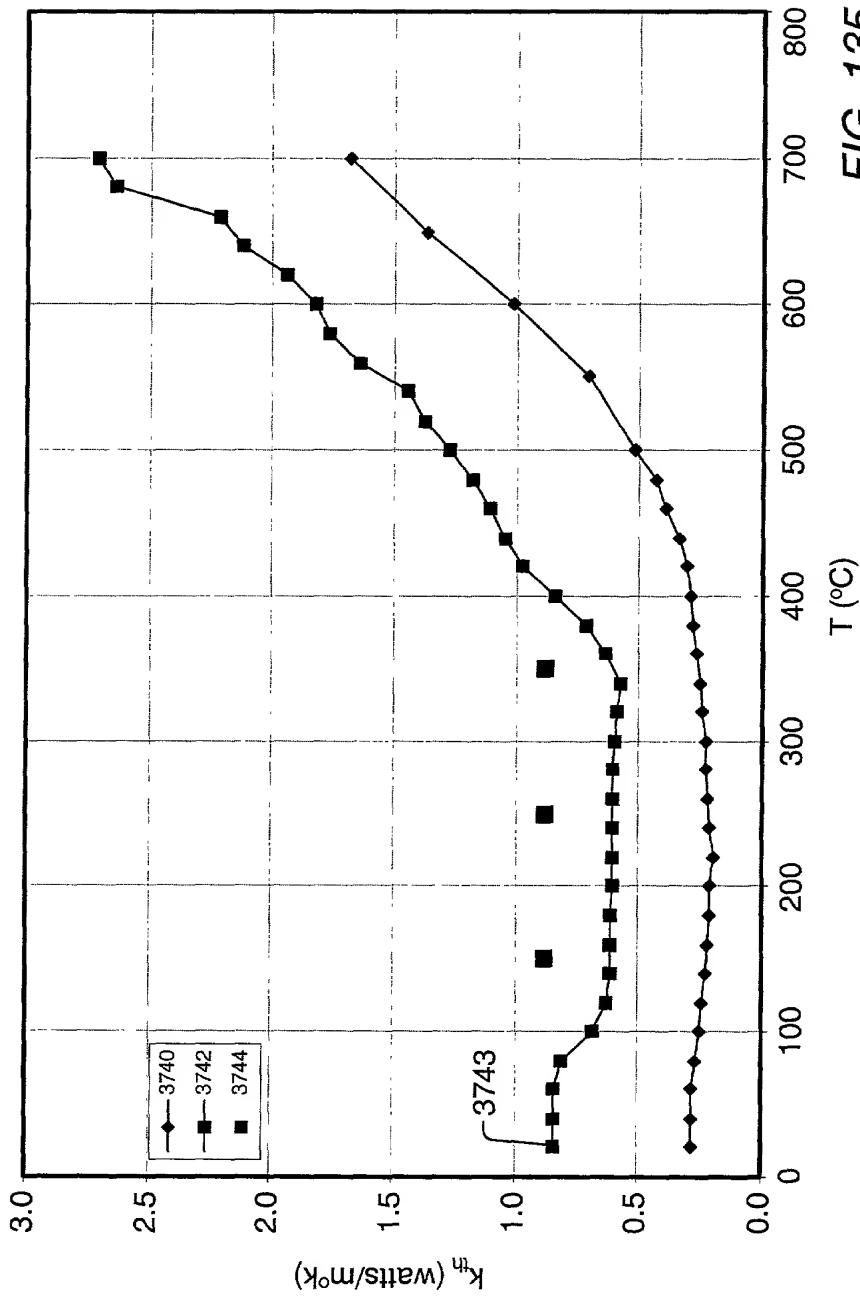


FIG. 135

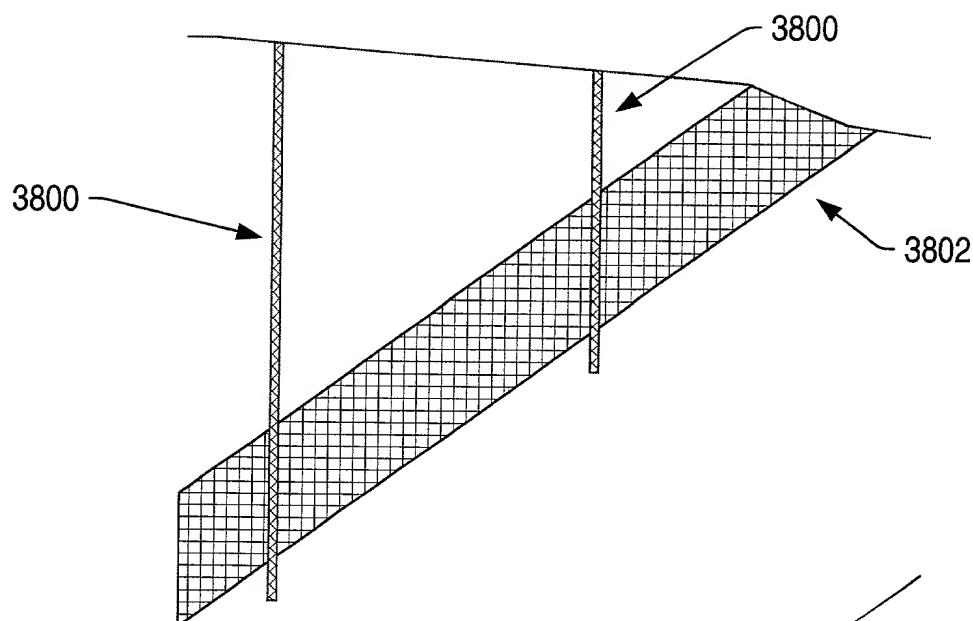


FIG. 136

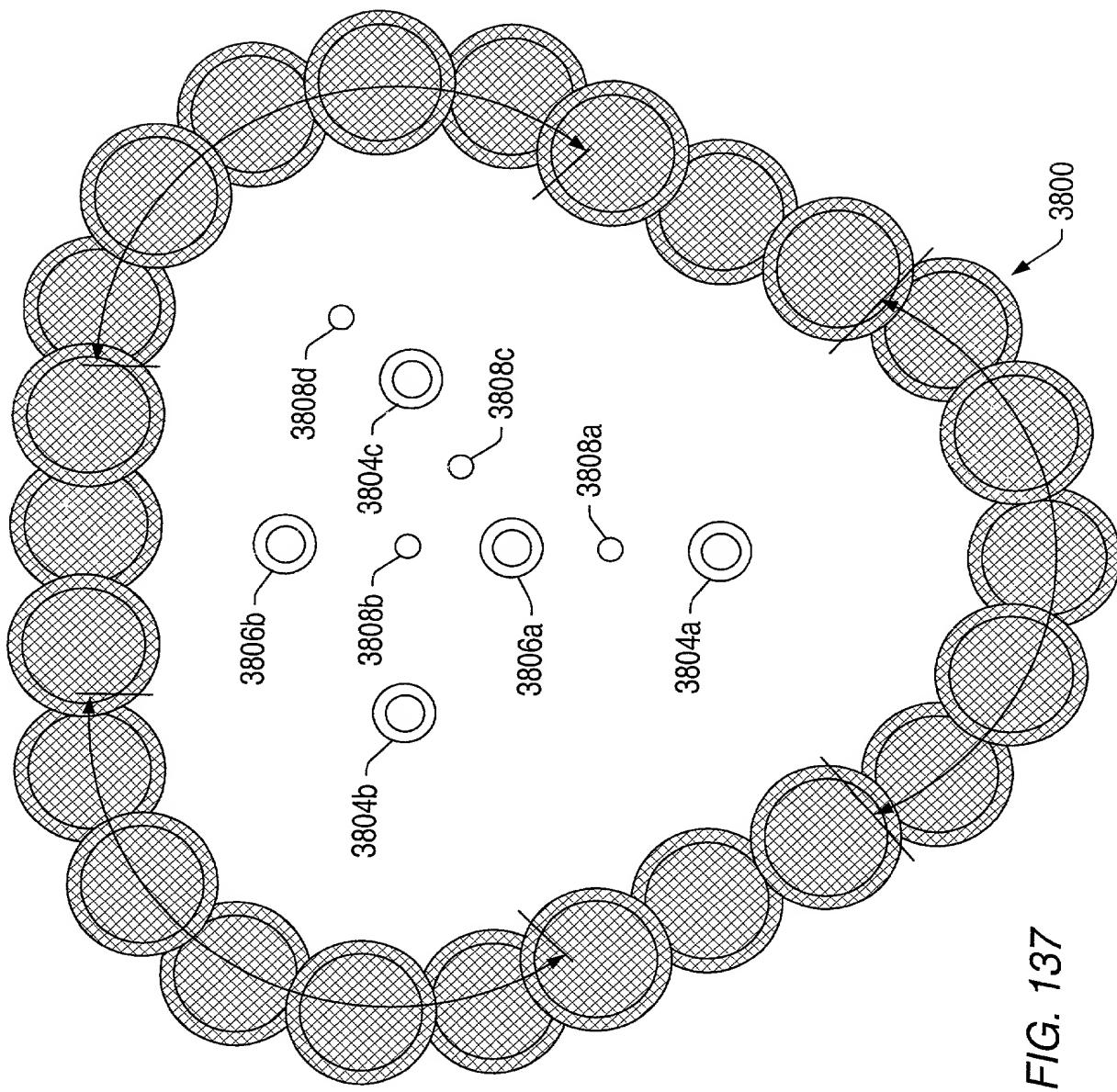


FIG. 137

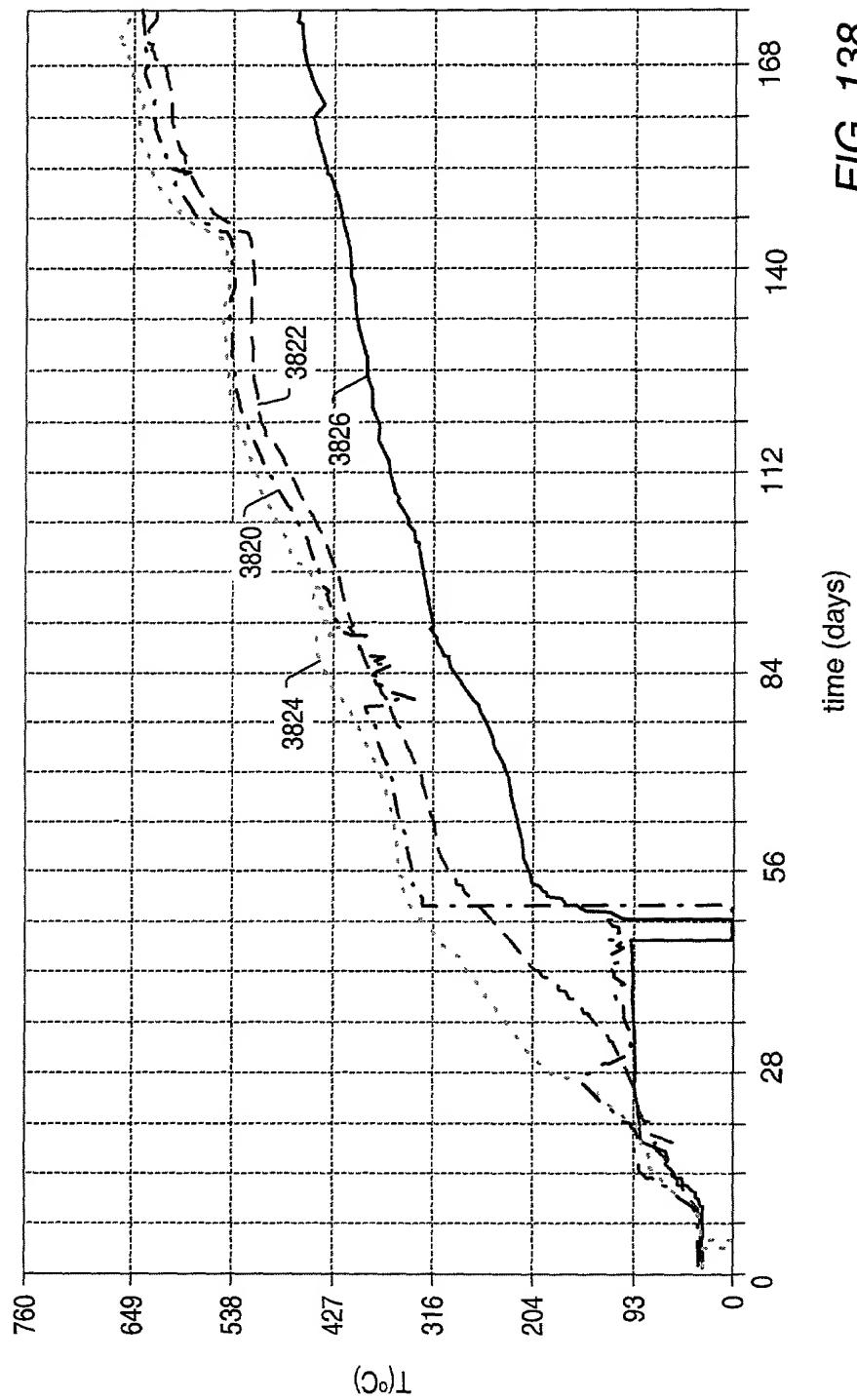
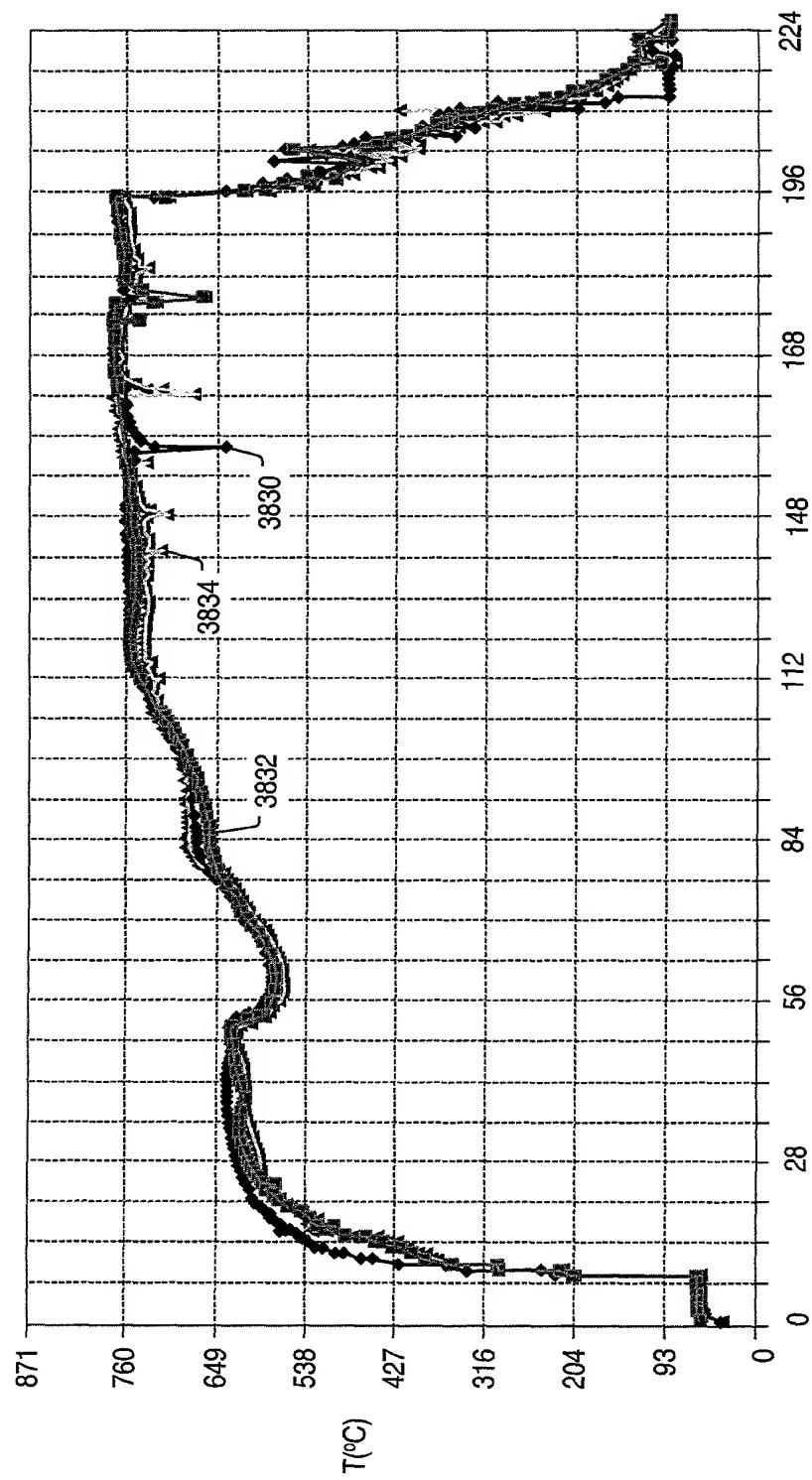


FIG. 138

FIG. 139

time (days)



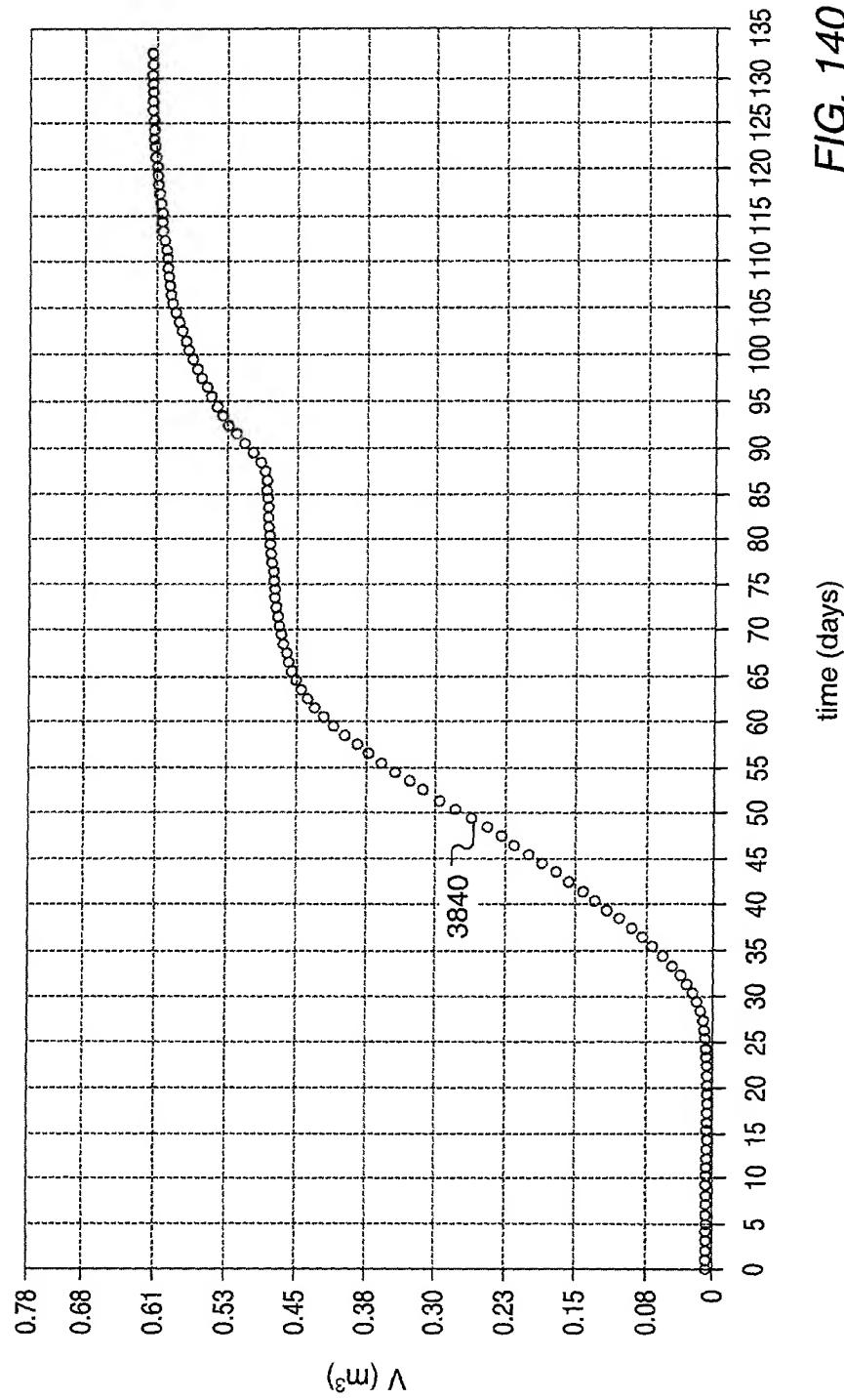


FIG. 140

Figure 141 shows the relationship between the percentage weight loss and the carbon number (C#) for a series of samples.

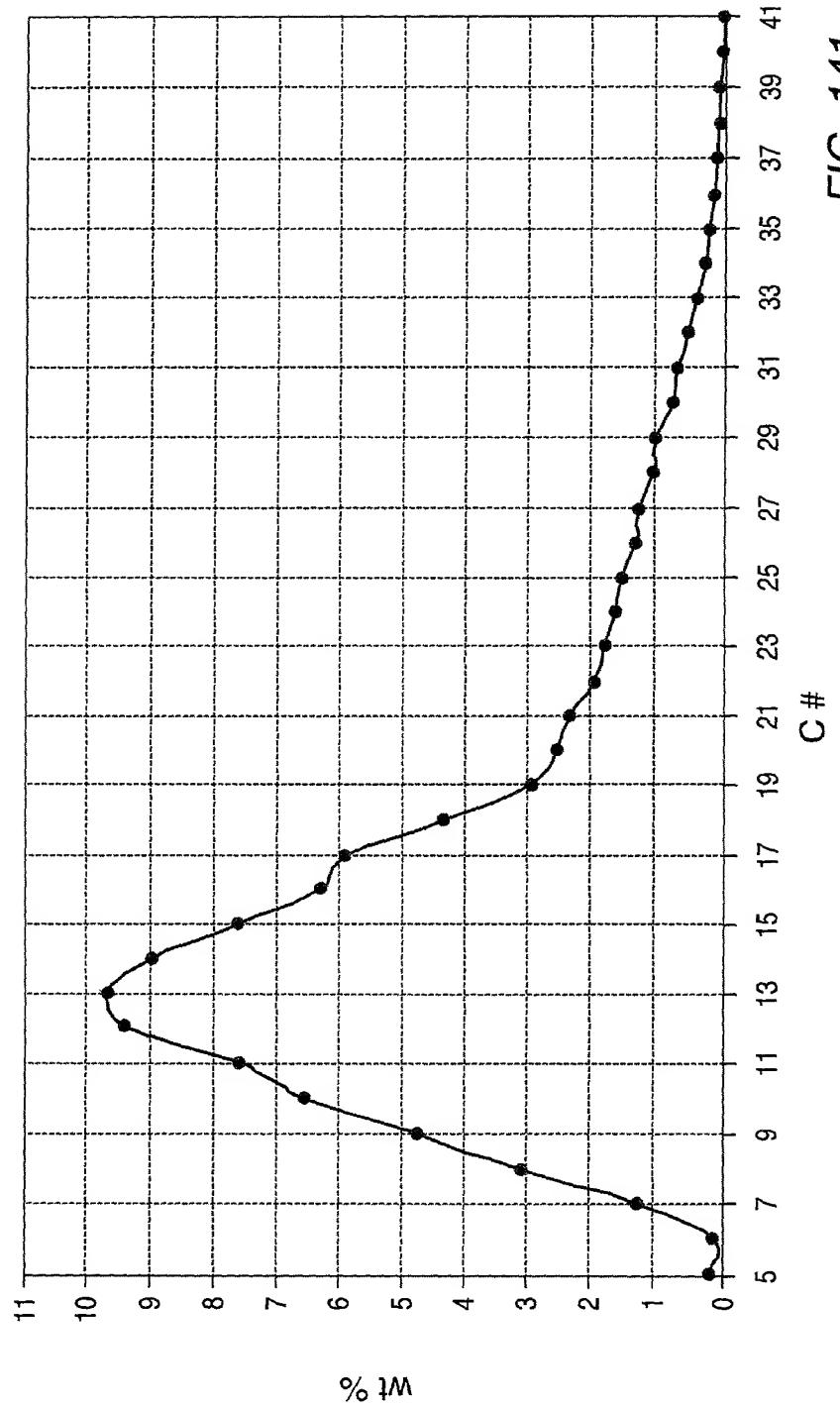
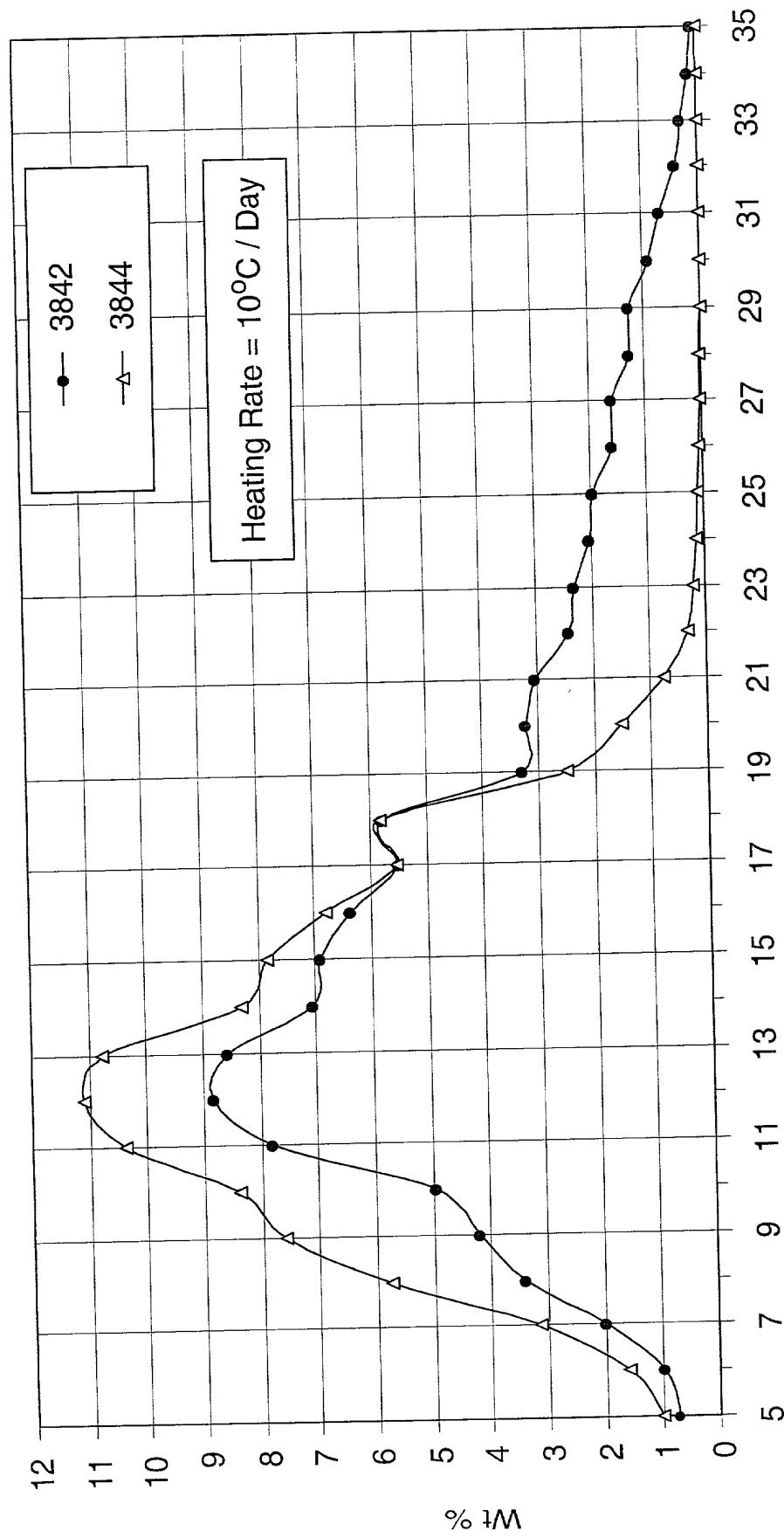


FIG. 141

FIG. 142
Carbon Number



45
40
35
30
25
20
15
10
5
0

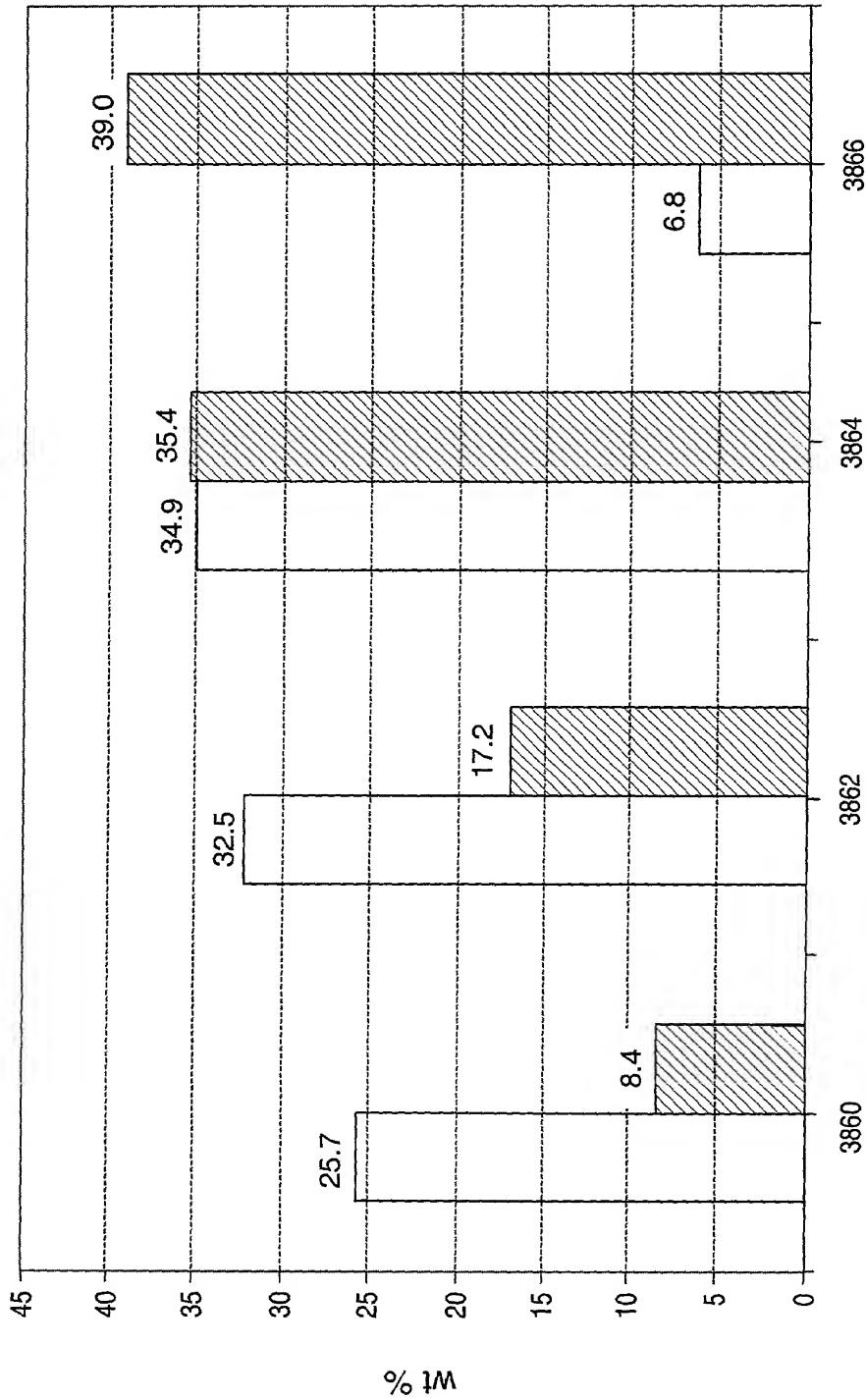


FIG. 143

FIG. 144

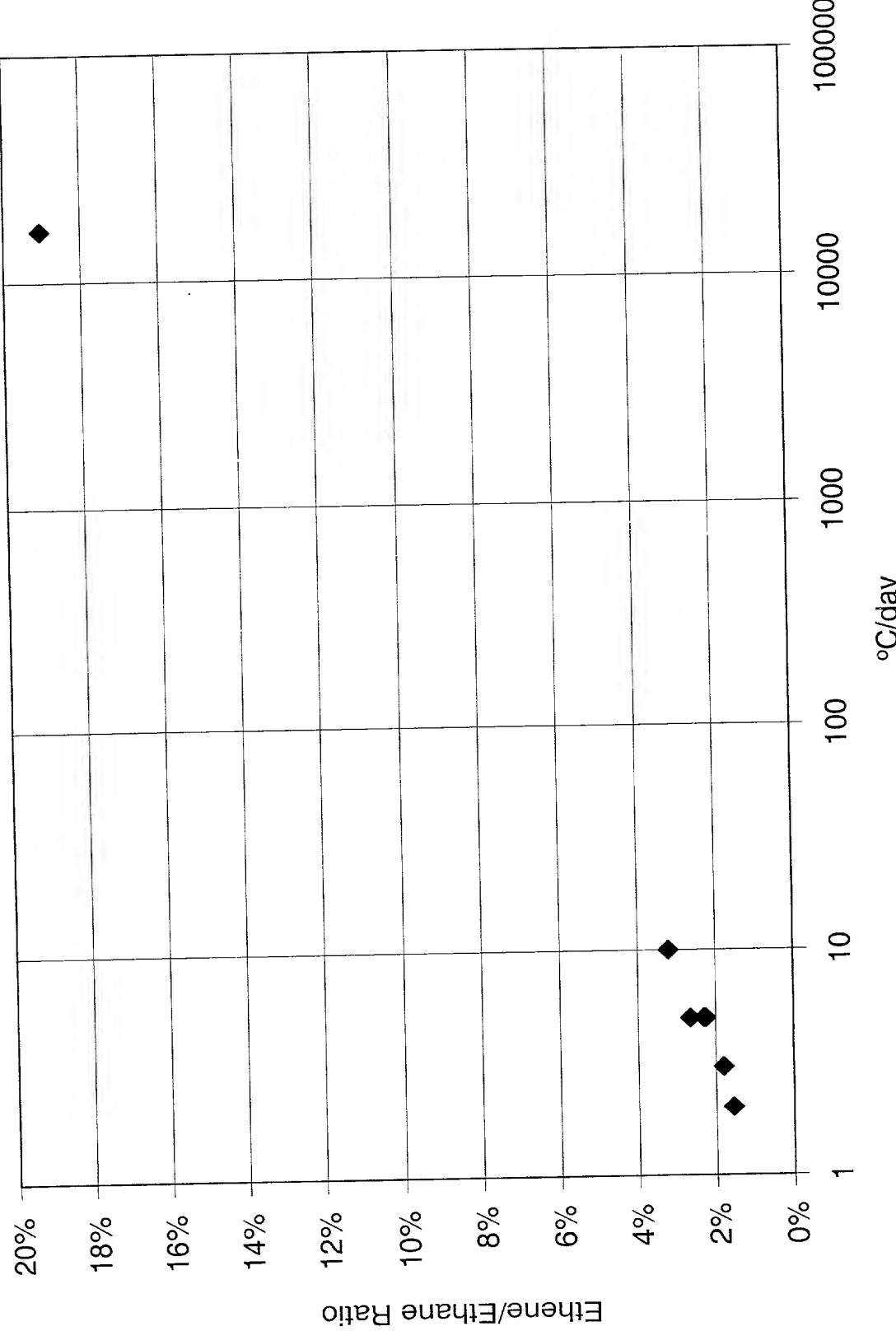
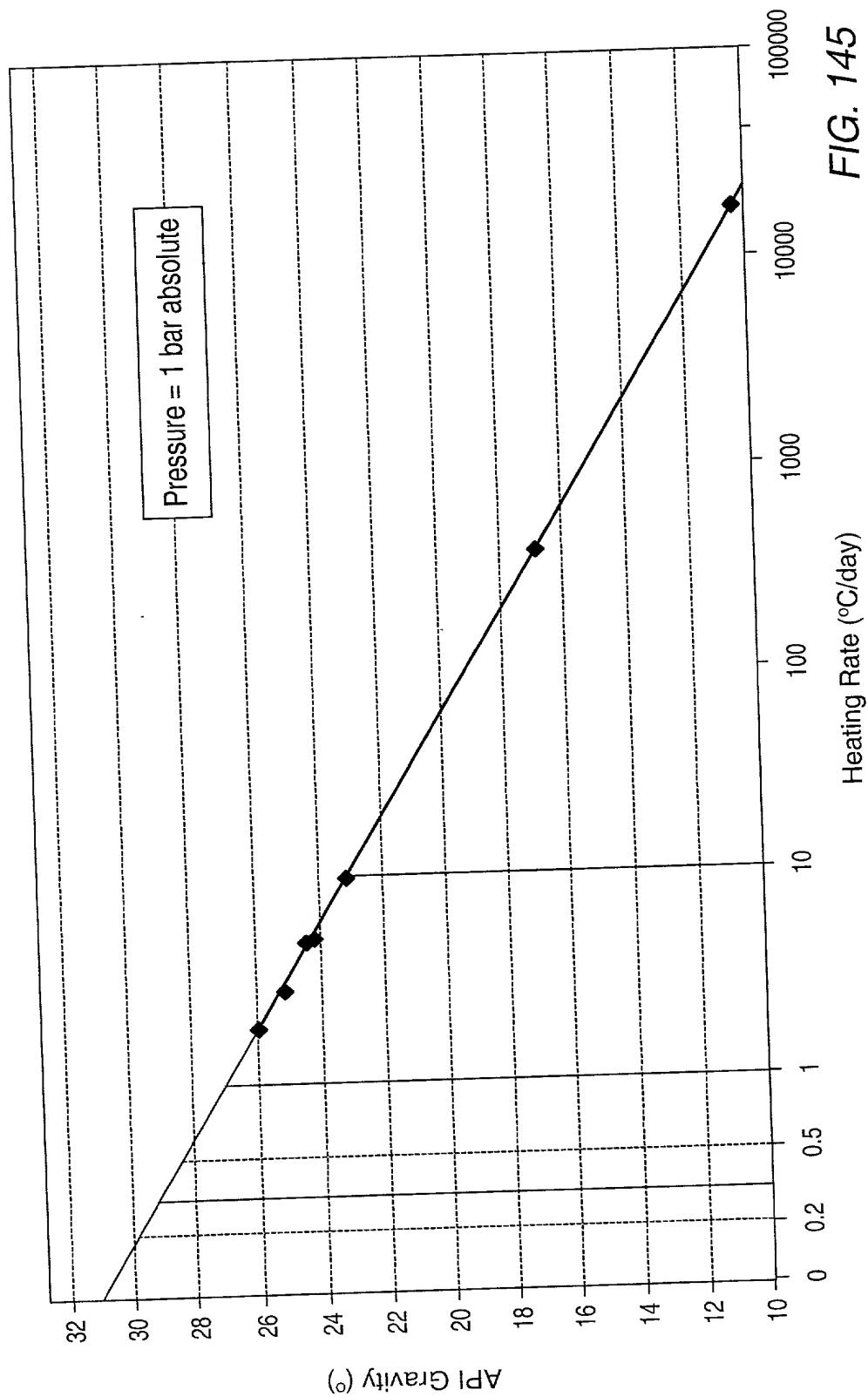


FIG. 145



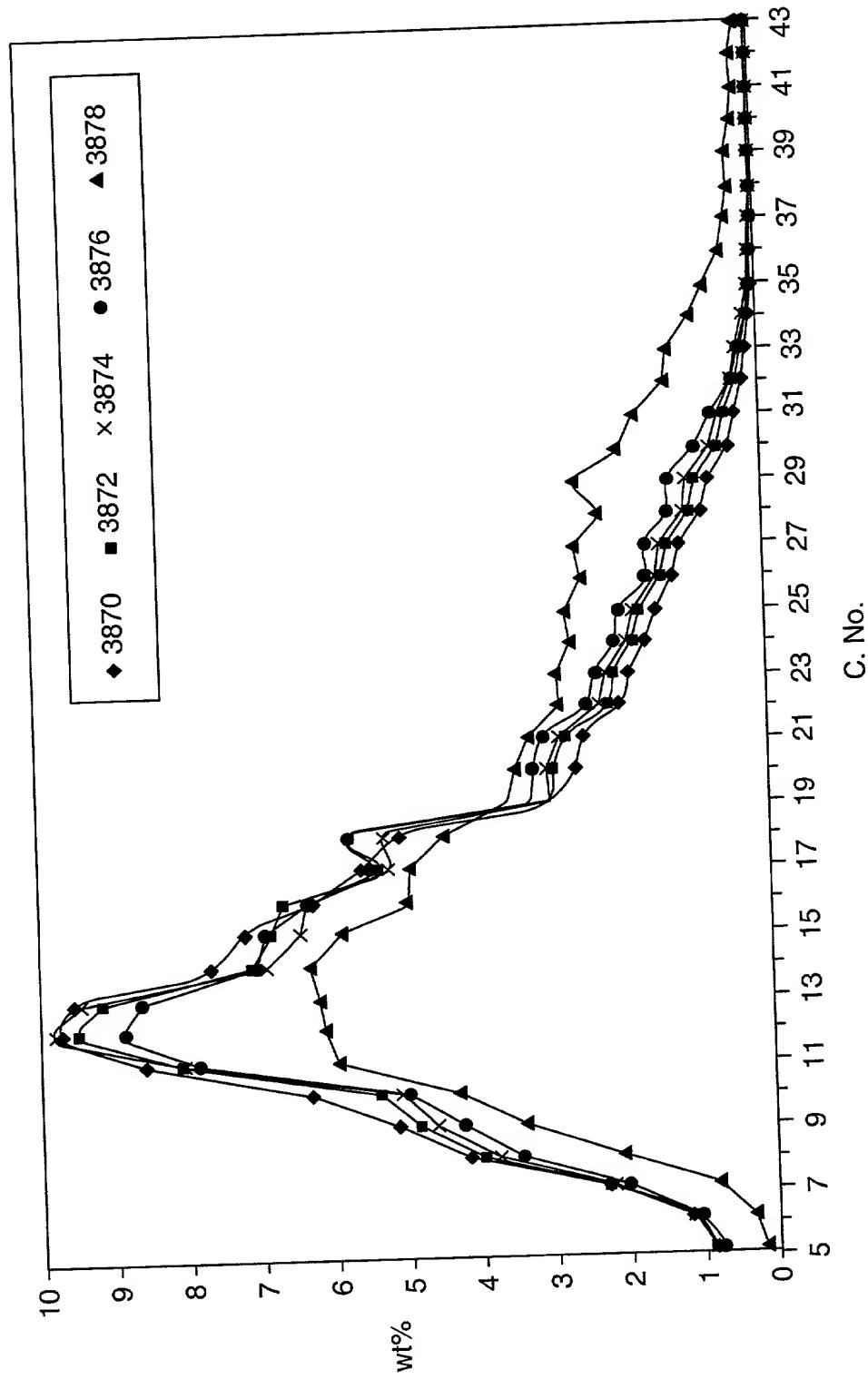
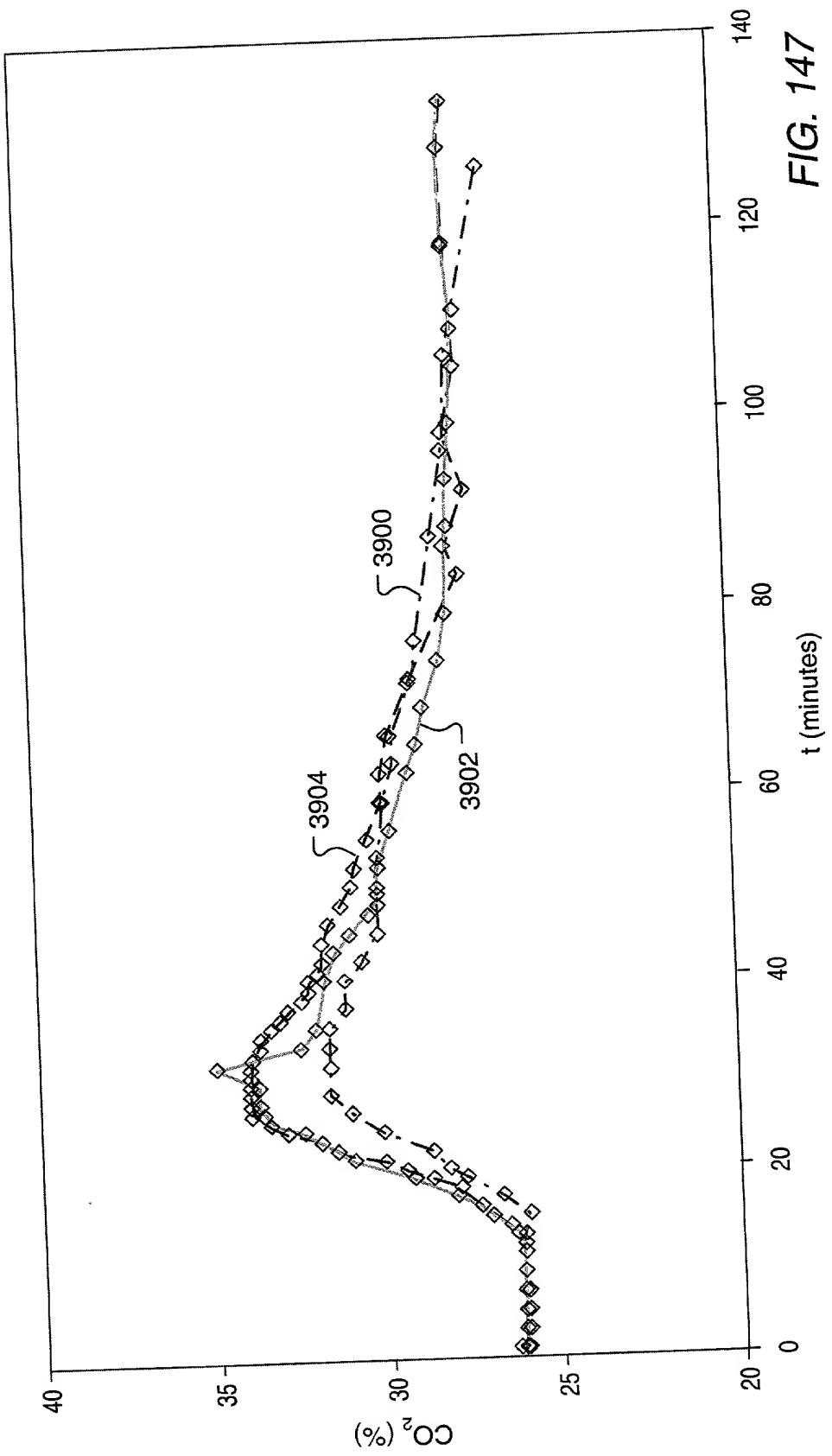


FIG. 146

FIG. 147



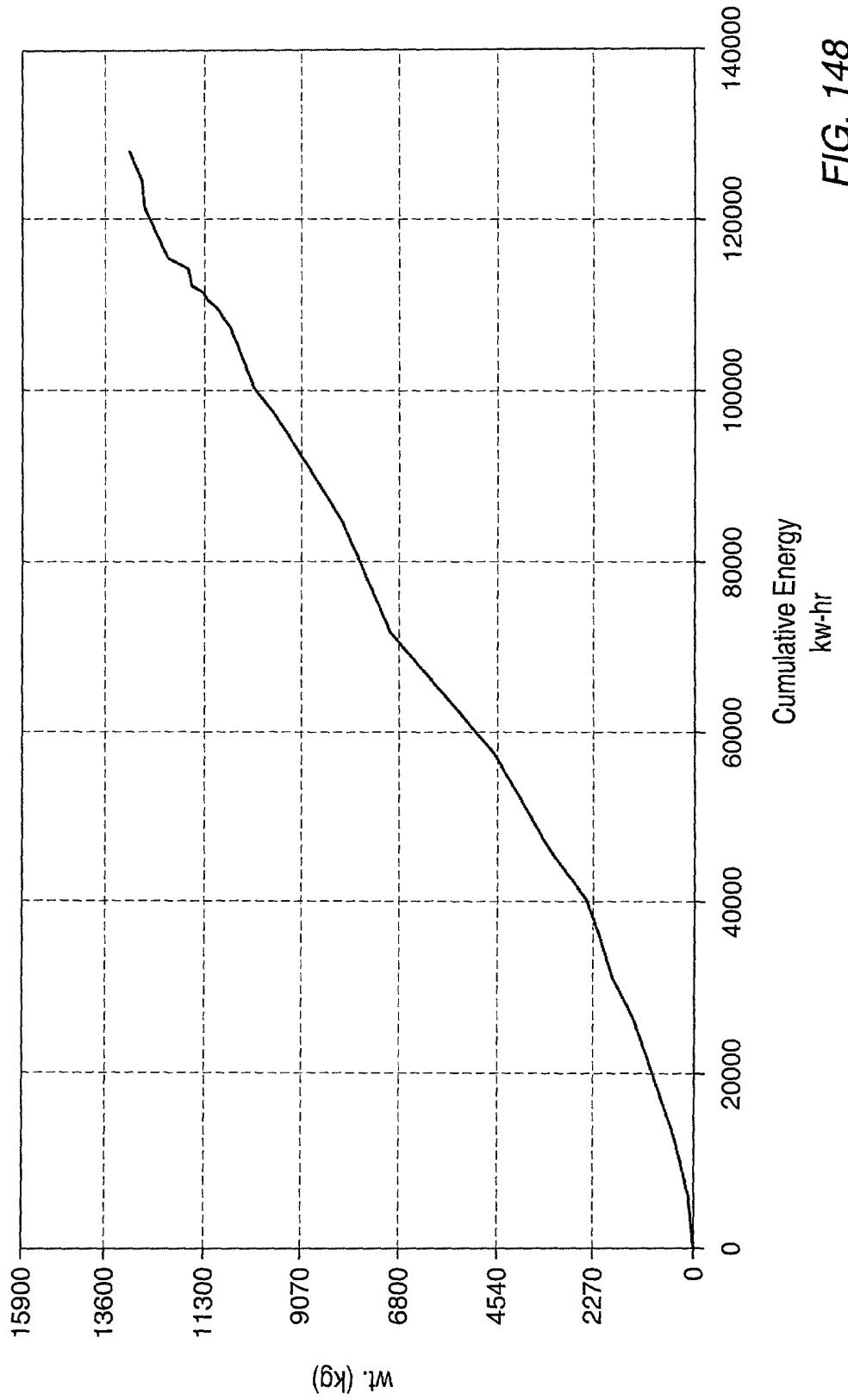


FIG. 148

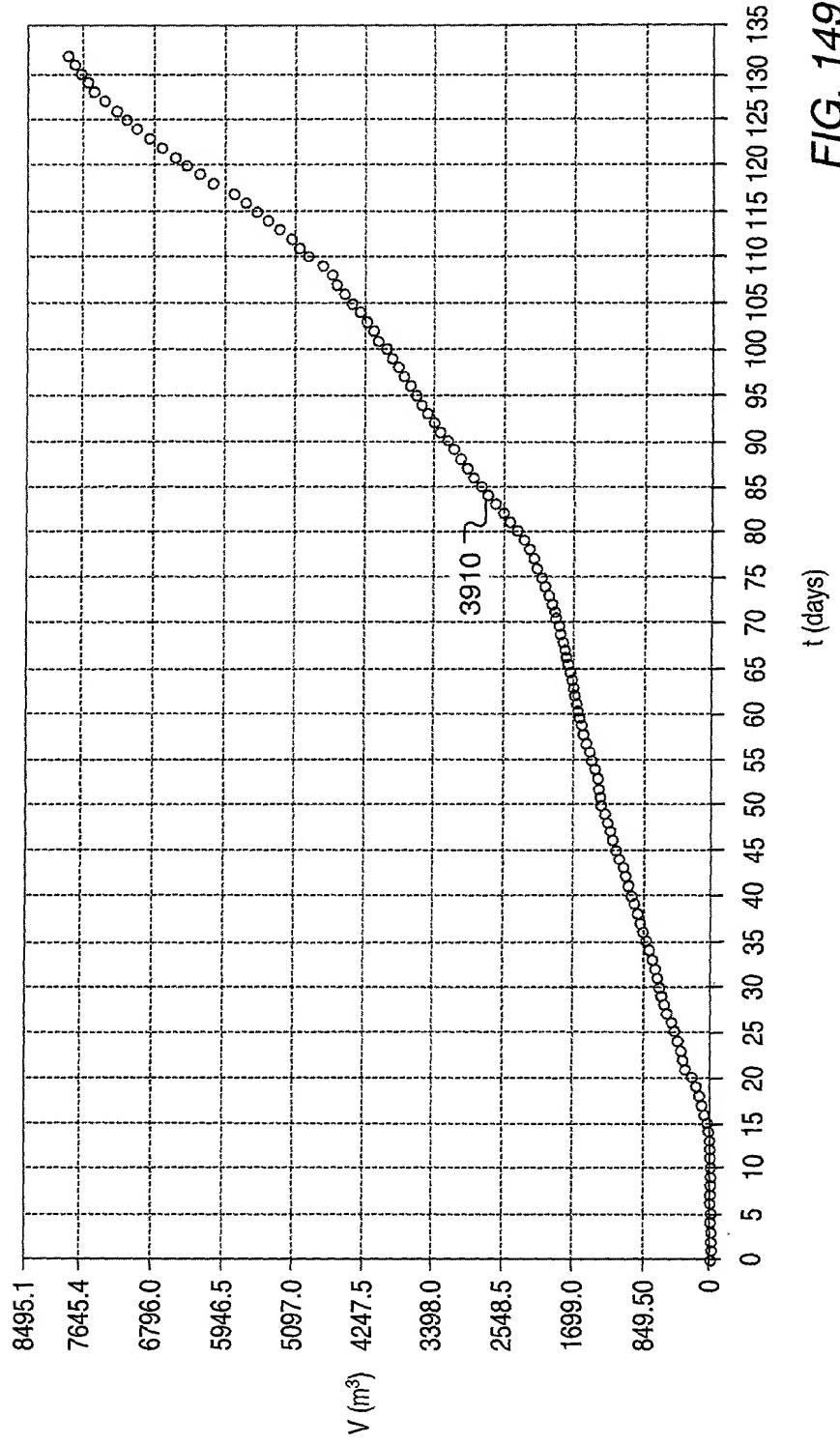


FIG. 149

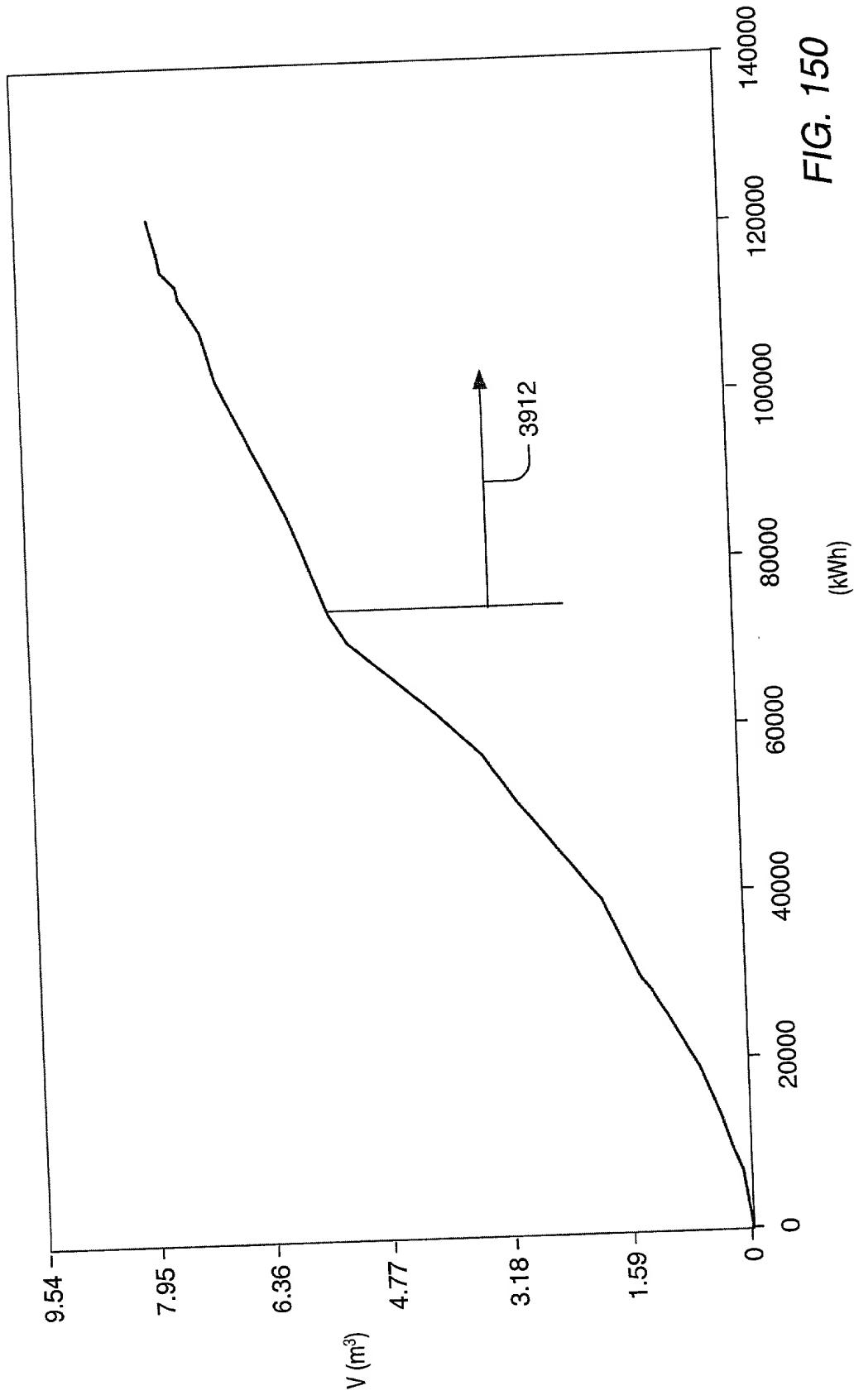
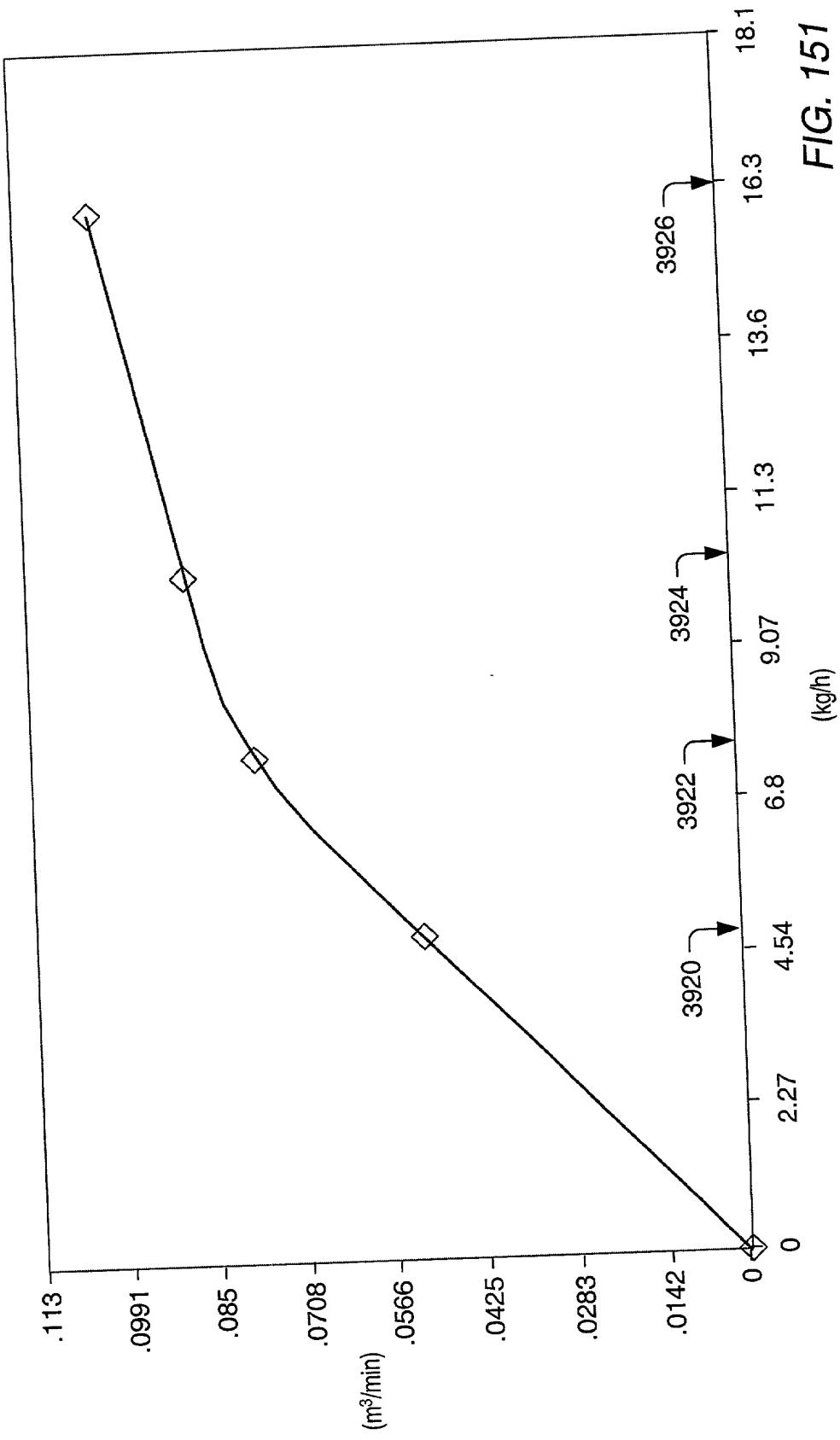


FIG. 150



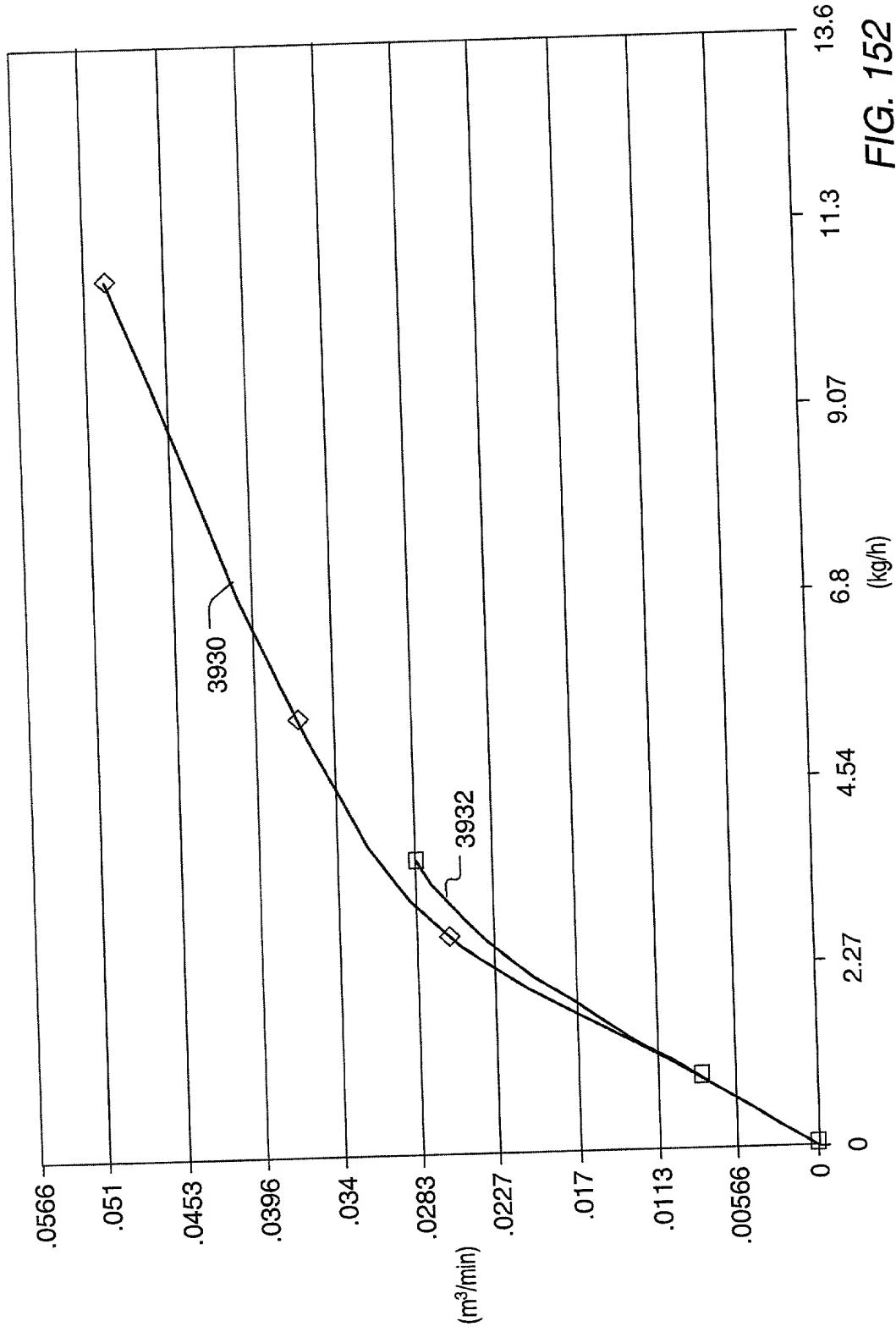


FIG. 152

FIG. 153

Methane Injection Rate (m^3/hr)

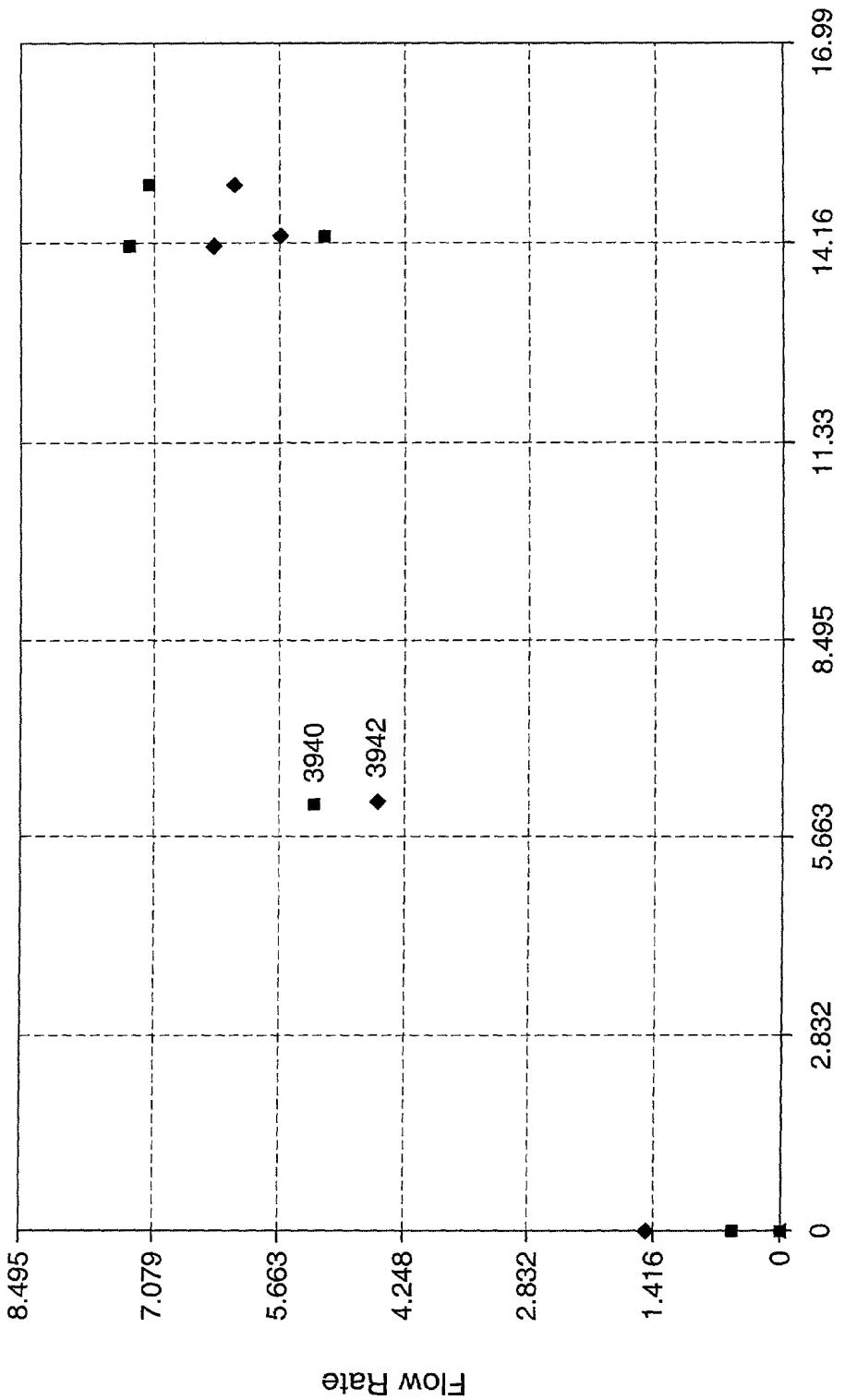
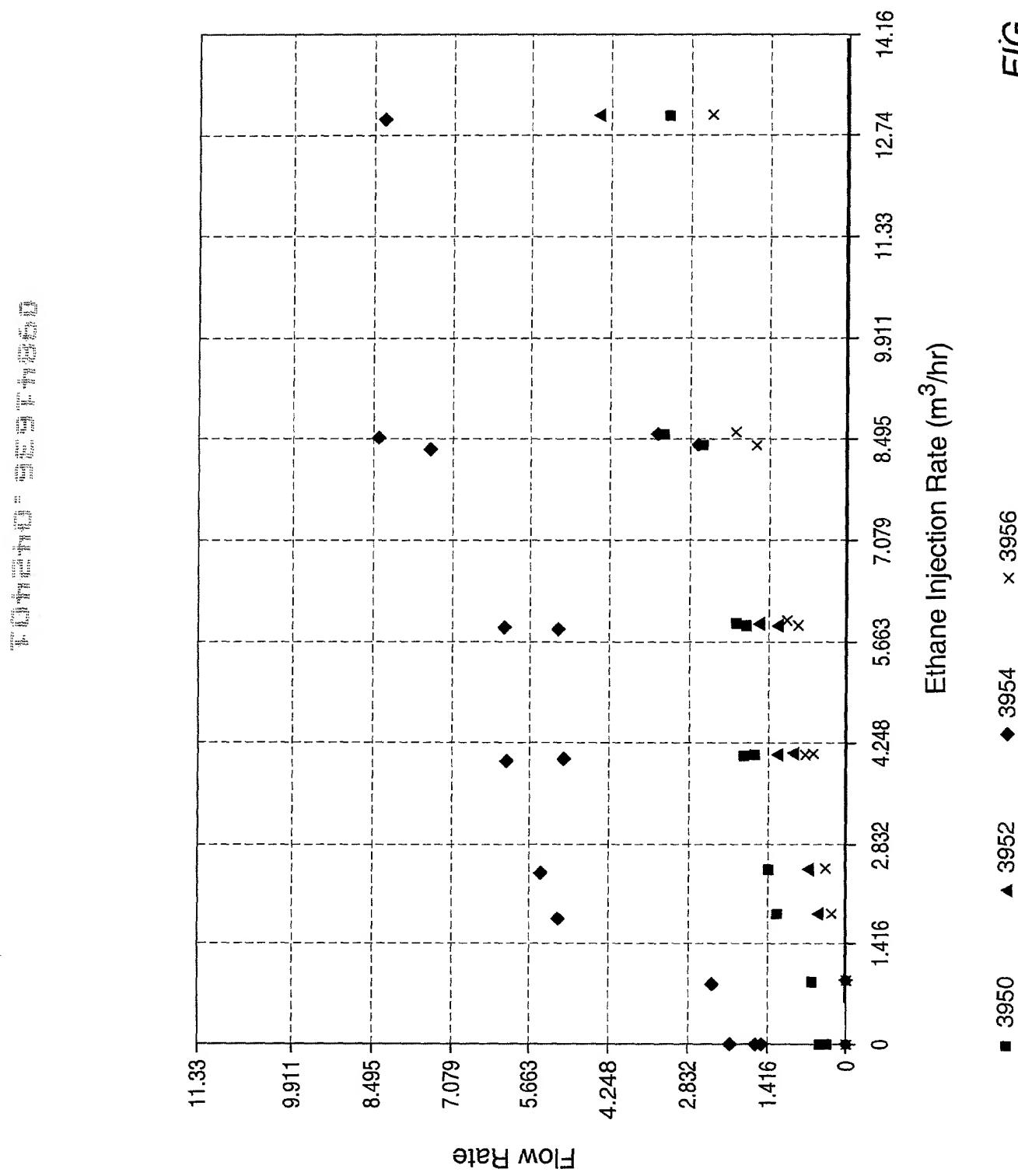
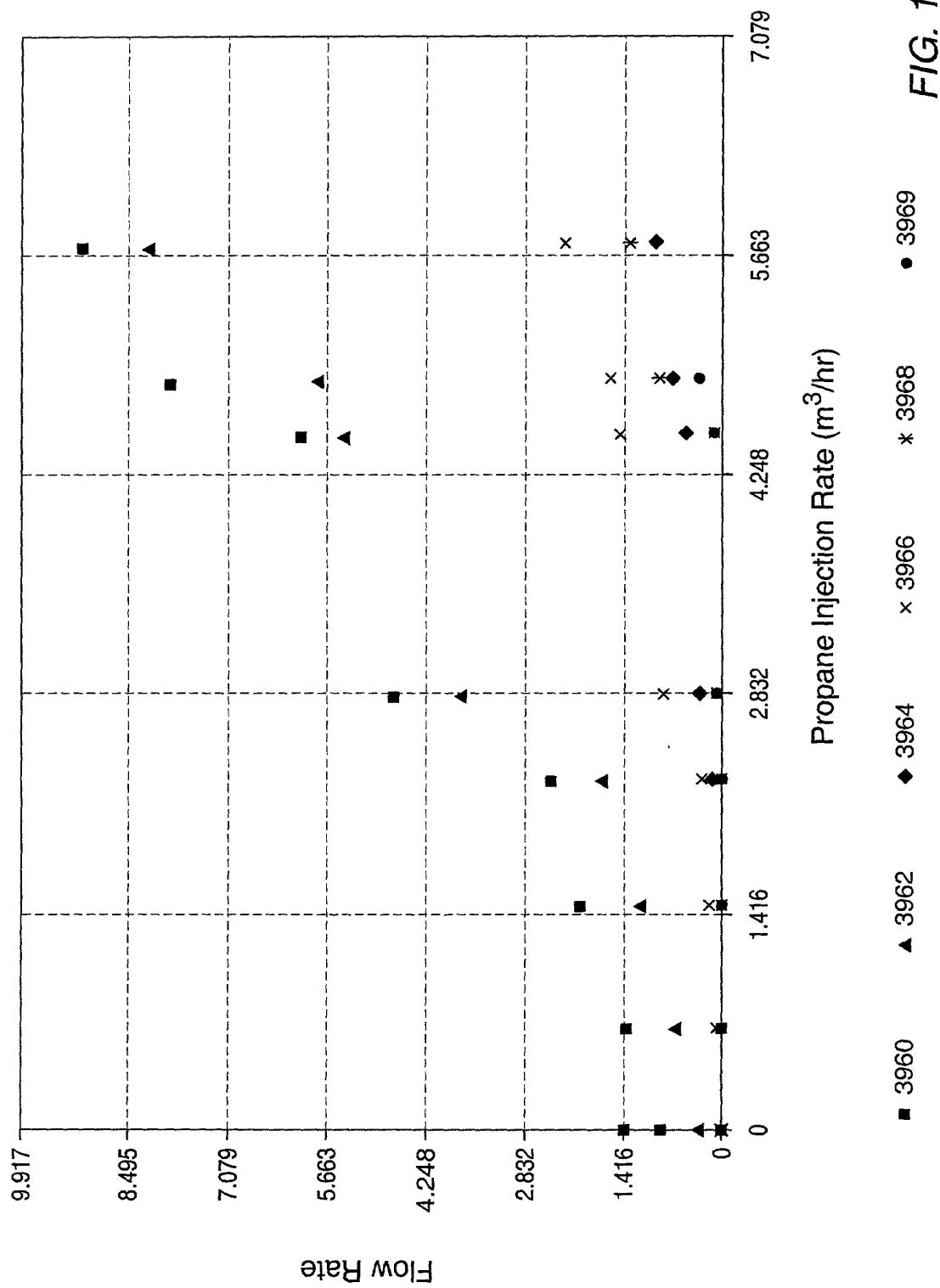
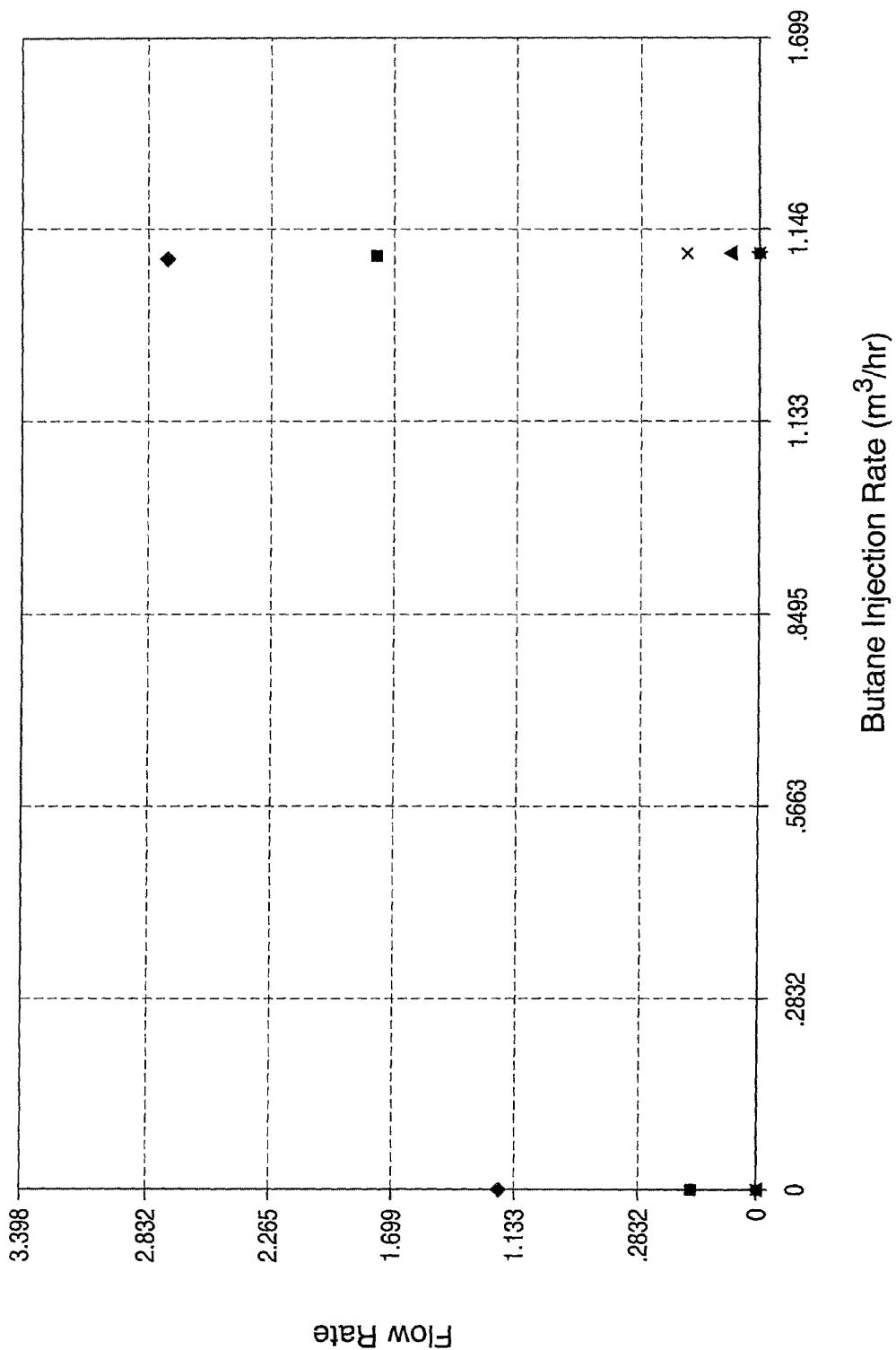


FIG. 154



Flow Rate





■ 3970 ▲ 3972 ◆ 3974 × 3976 * 3978 ● 3979

FIG. 156

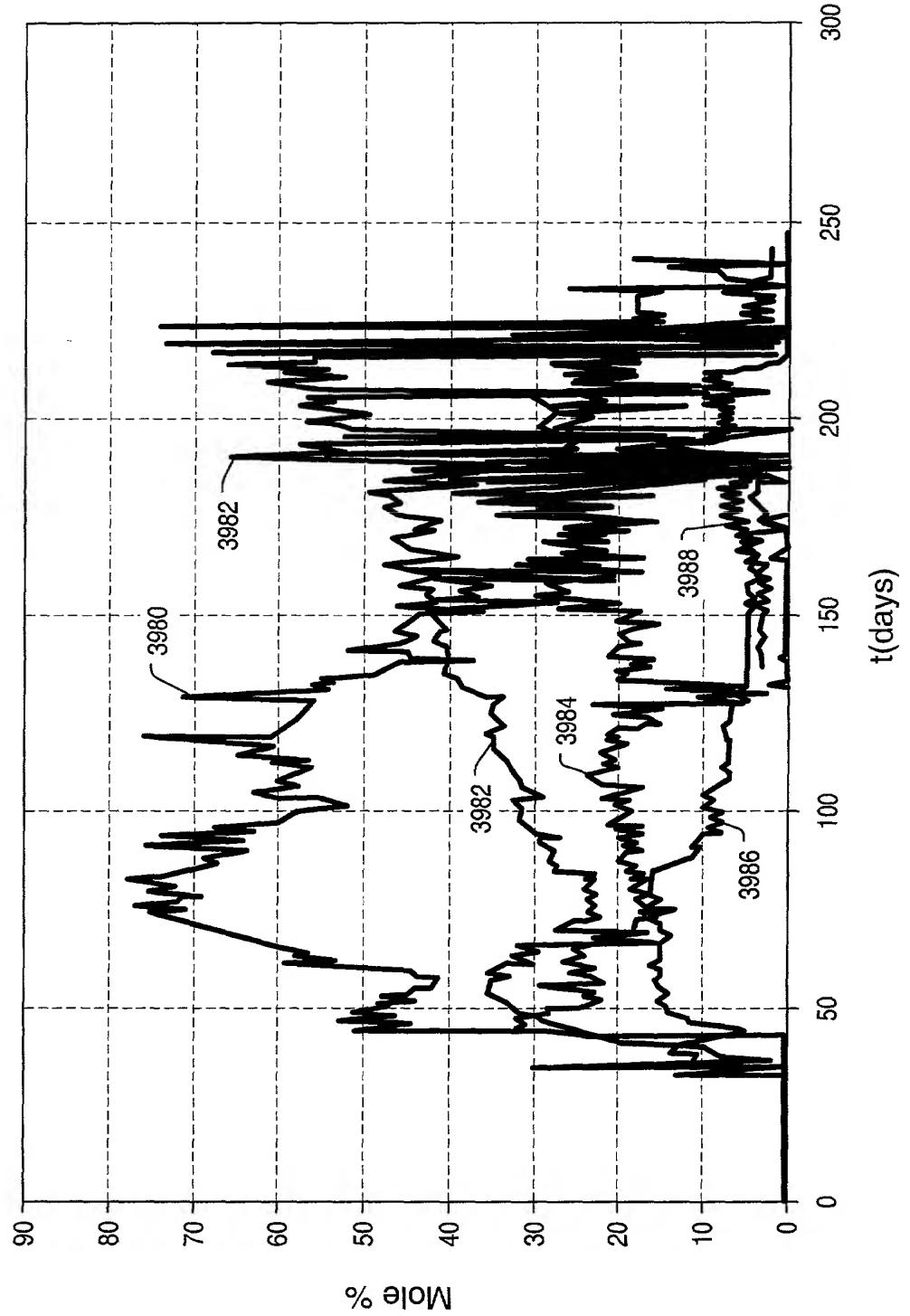


FIG. 157

FIG. 158

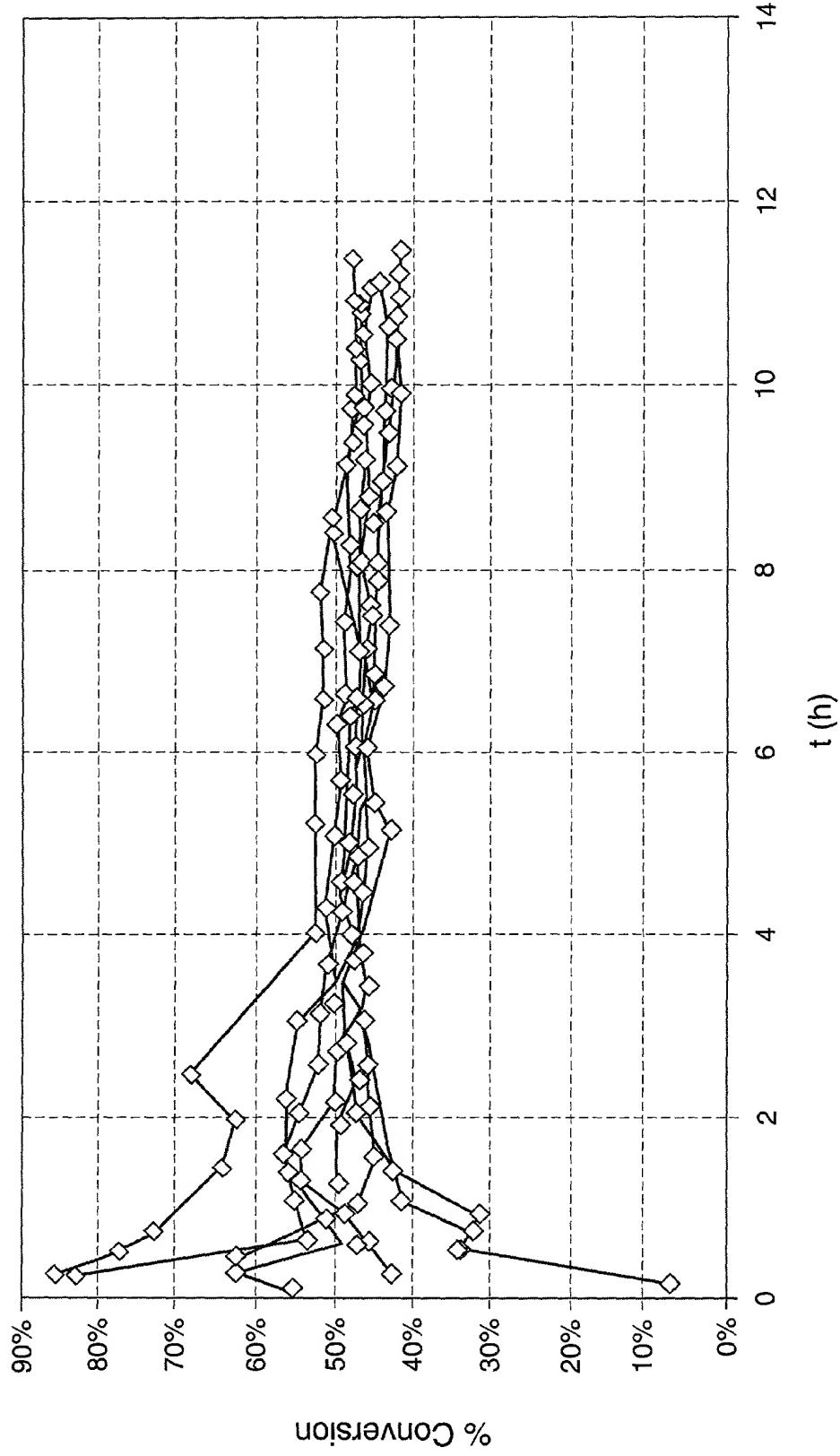


FIG. 159

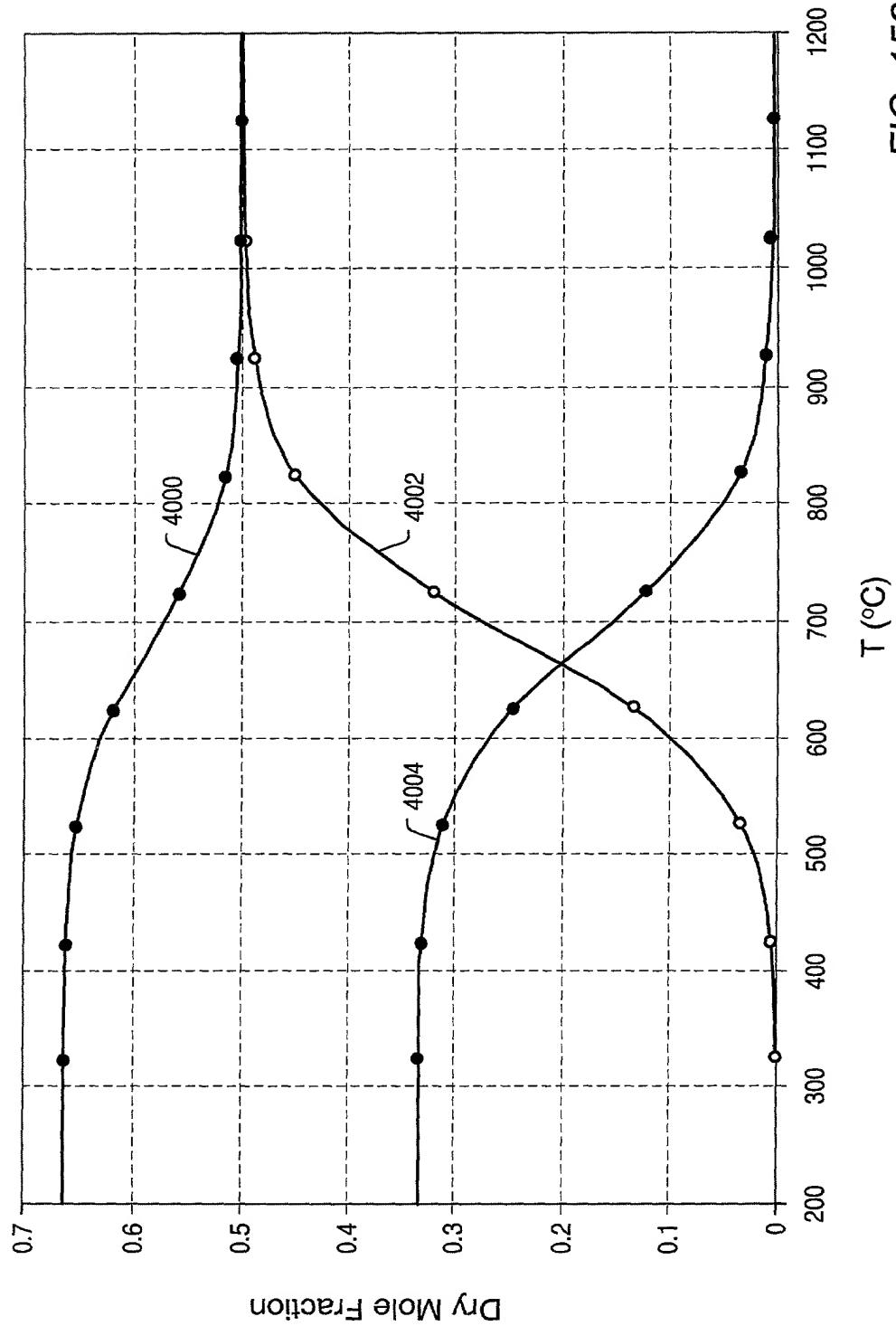
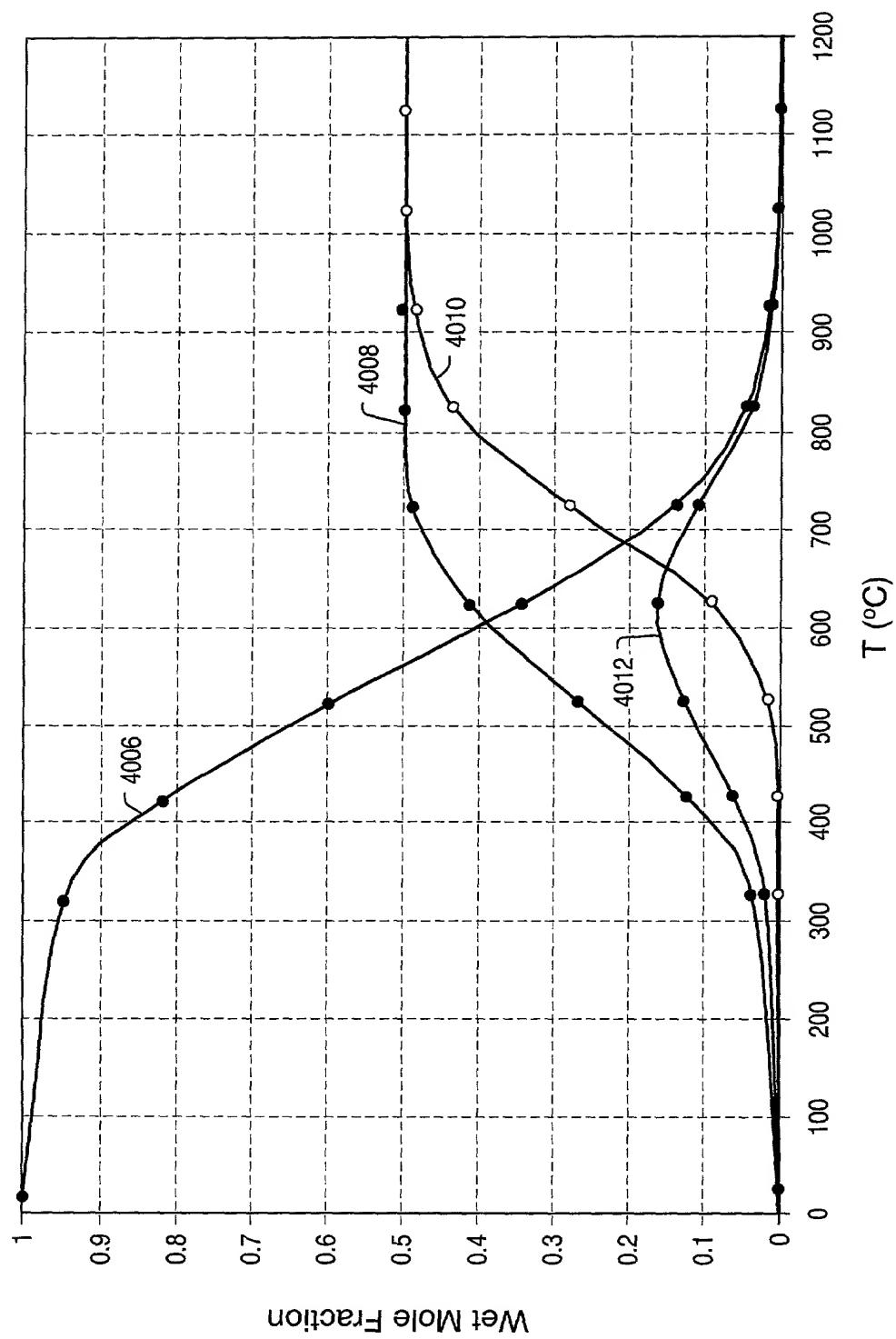


FIG. 160



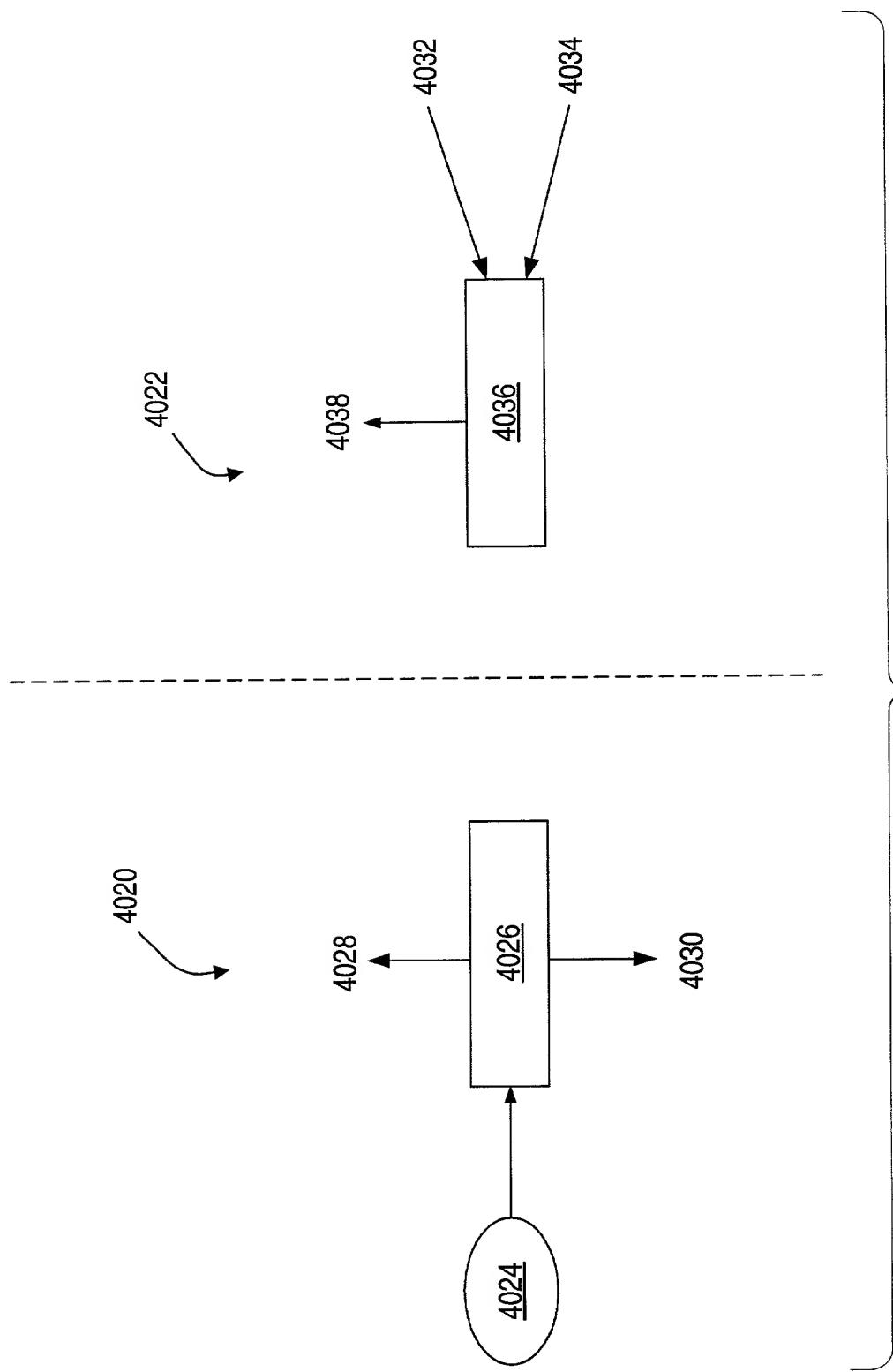


FIG. 161

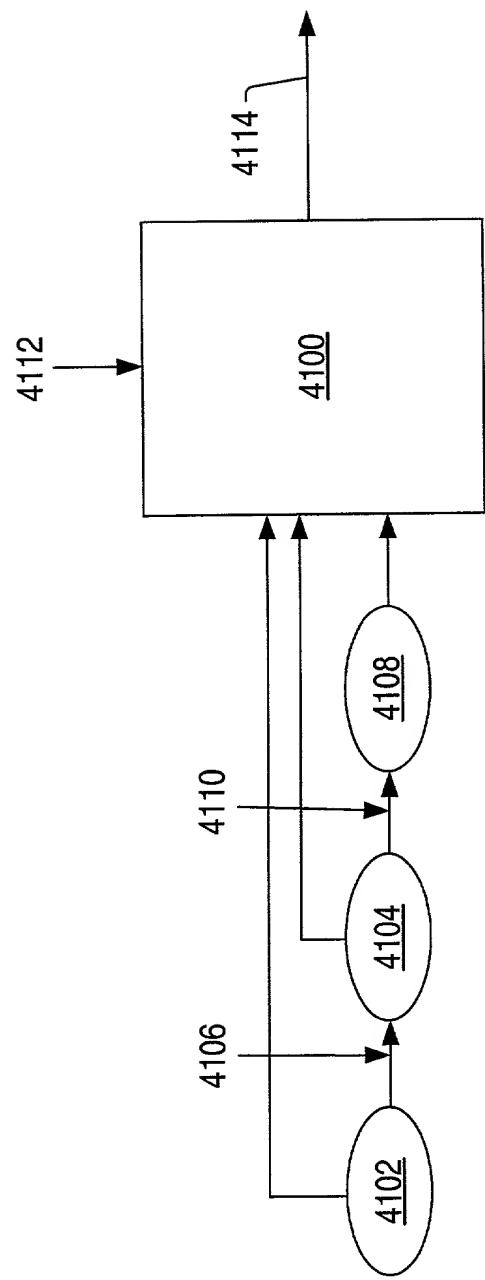


FIG. 162

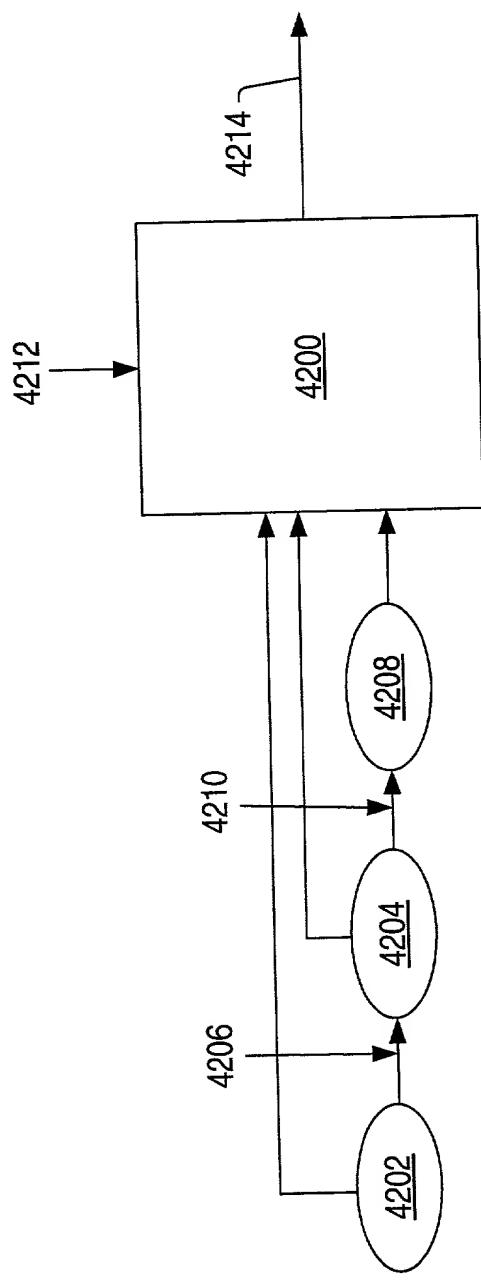


FIG. 163

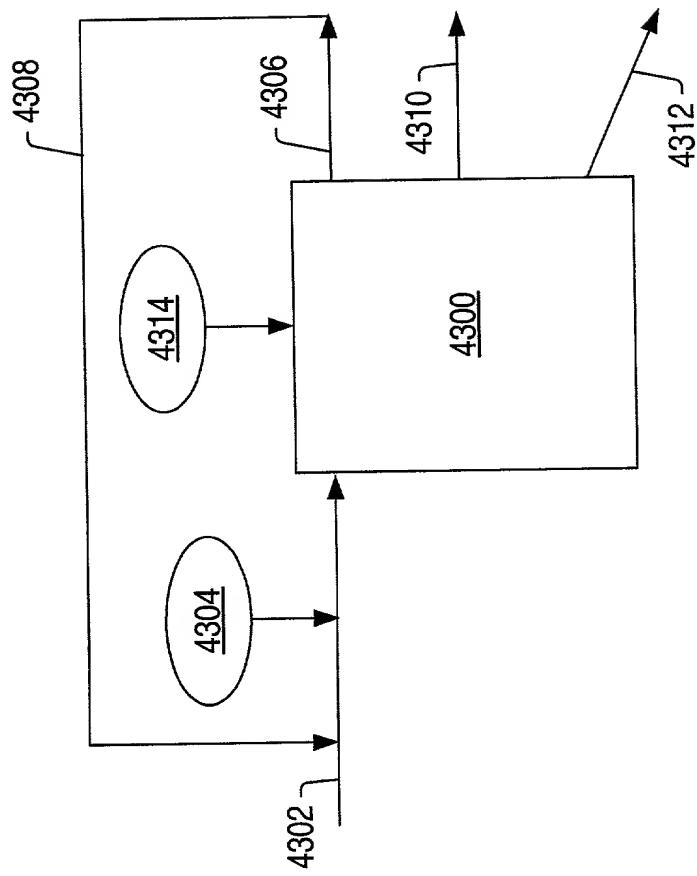


FIG. 164

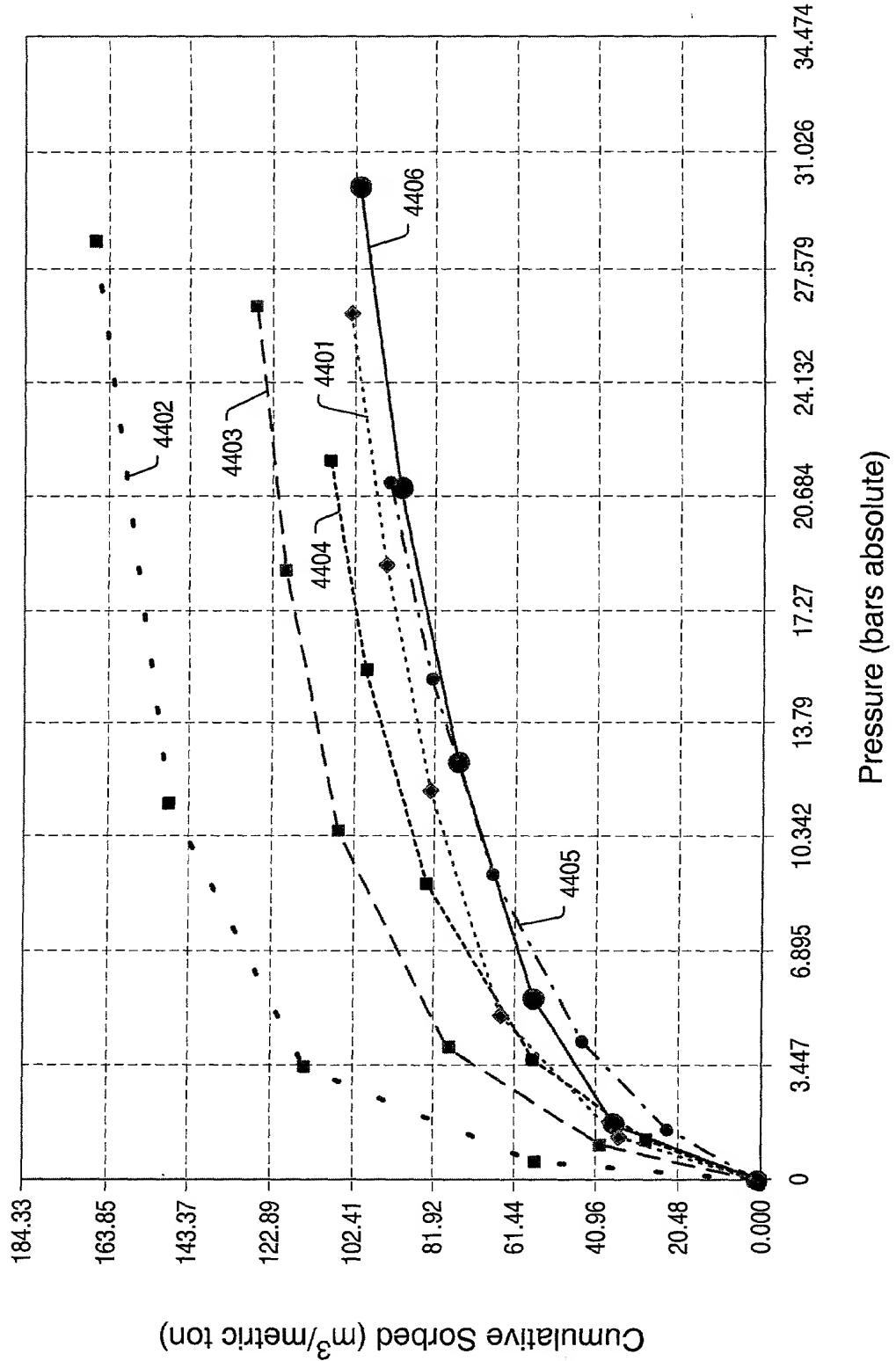


FIG. 165

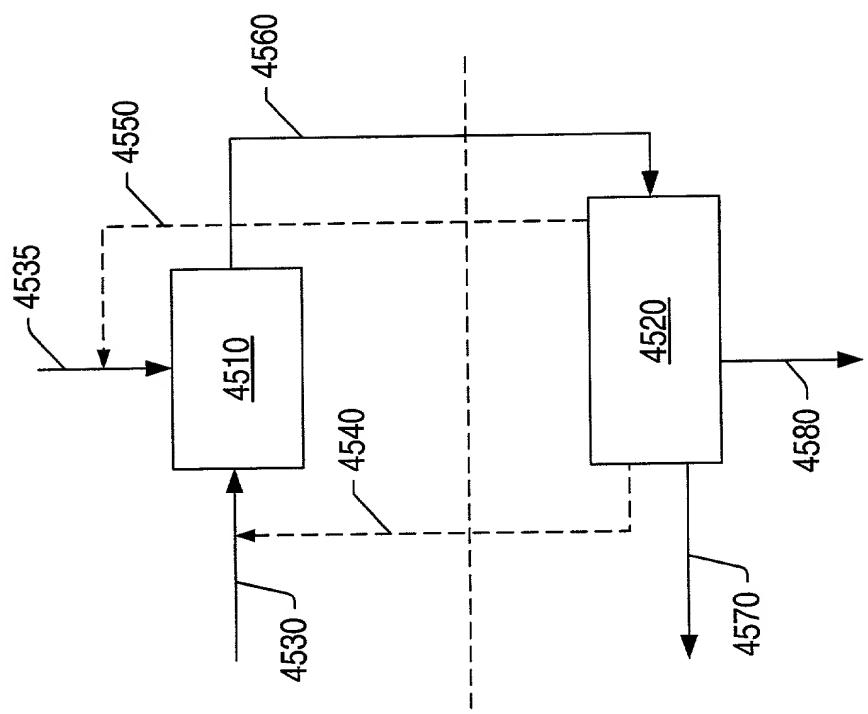


FIG. 166

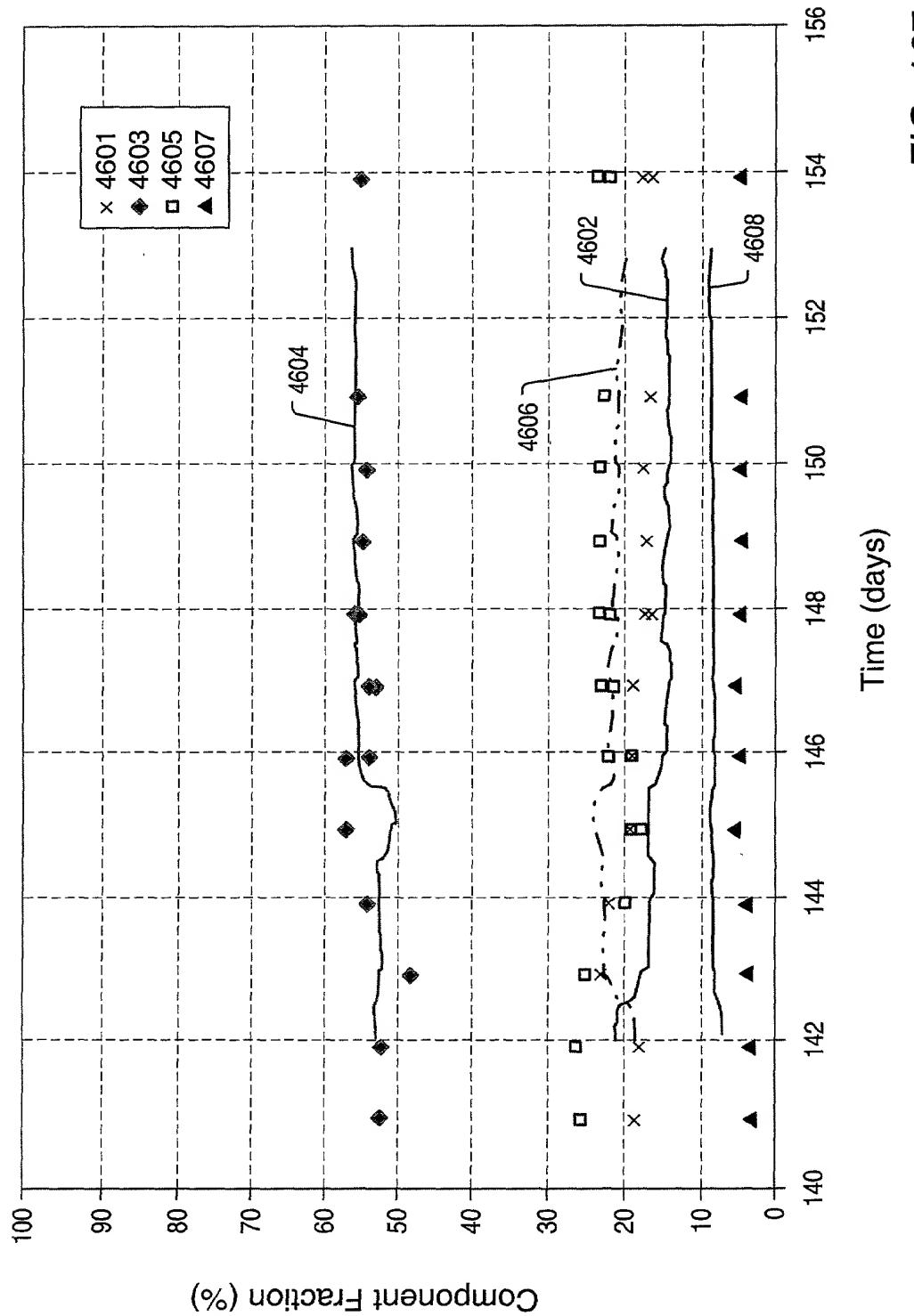


FIG. 167

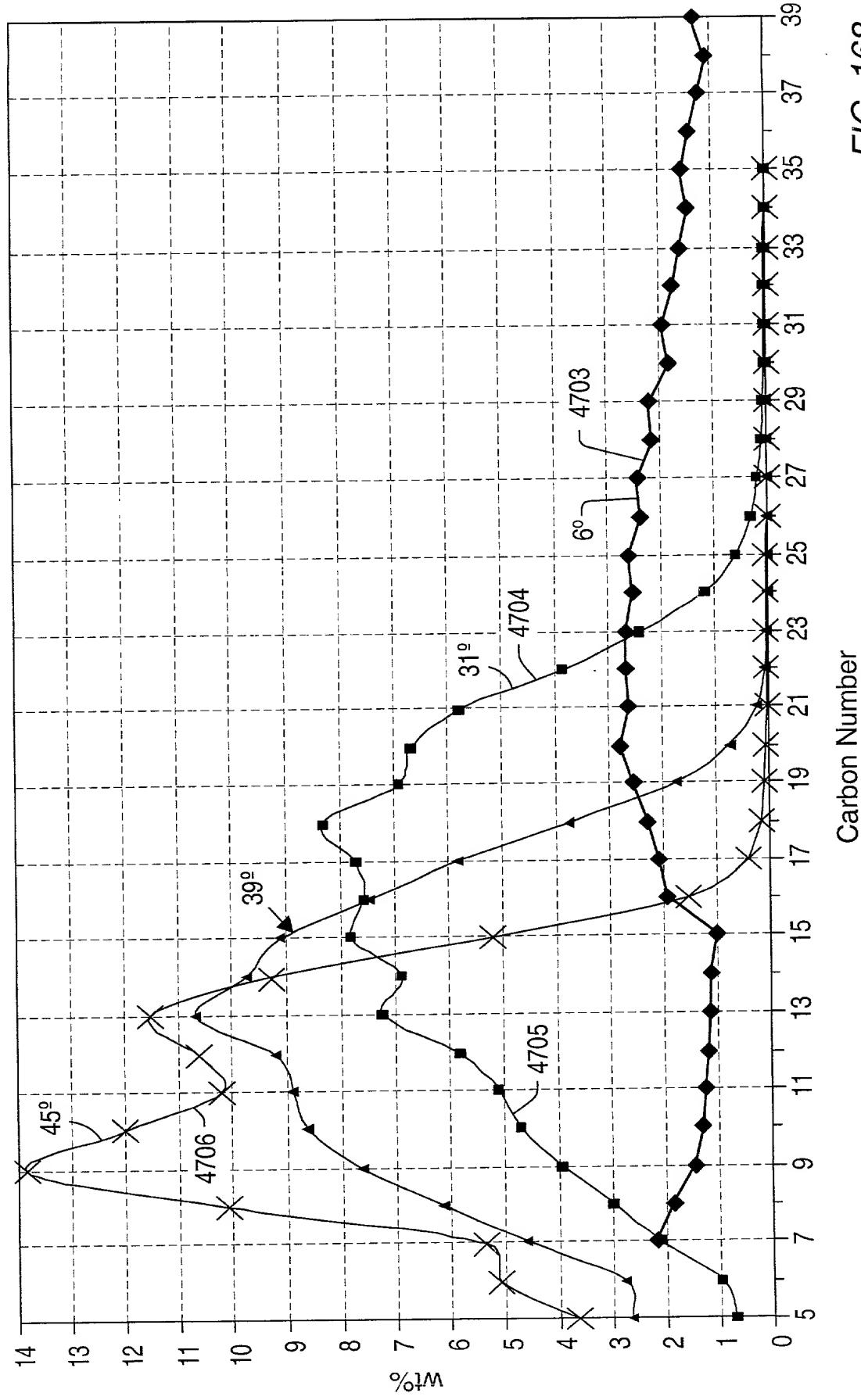
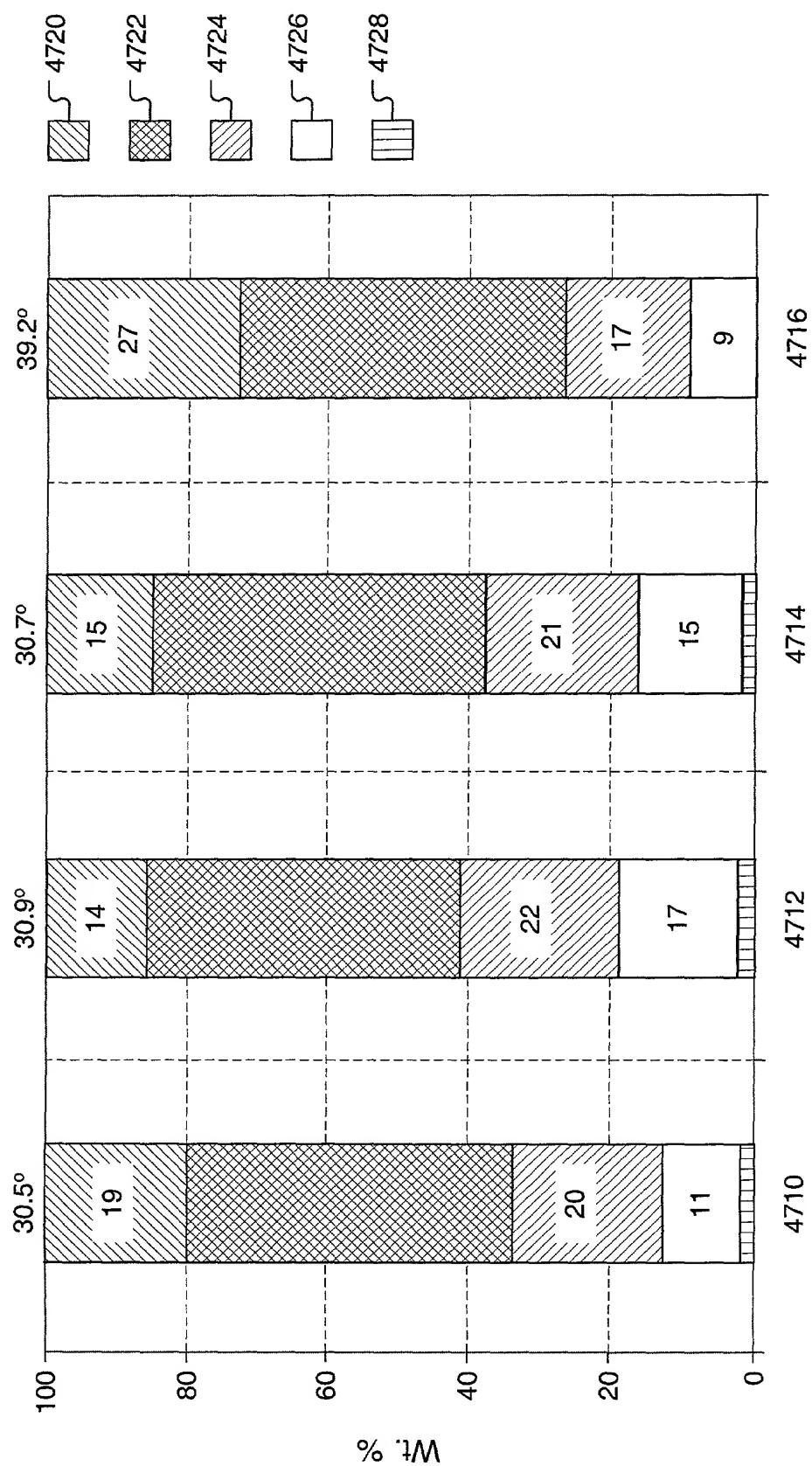


FIG. 168
Carbon Number

FIG. 169



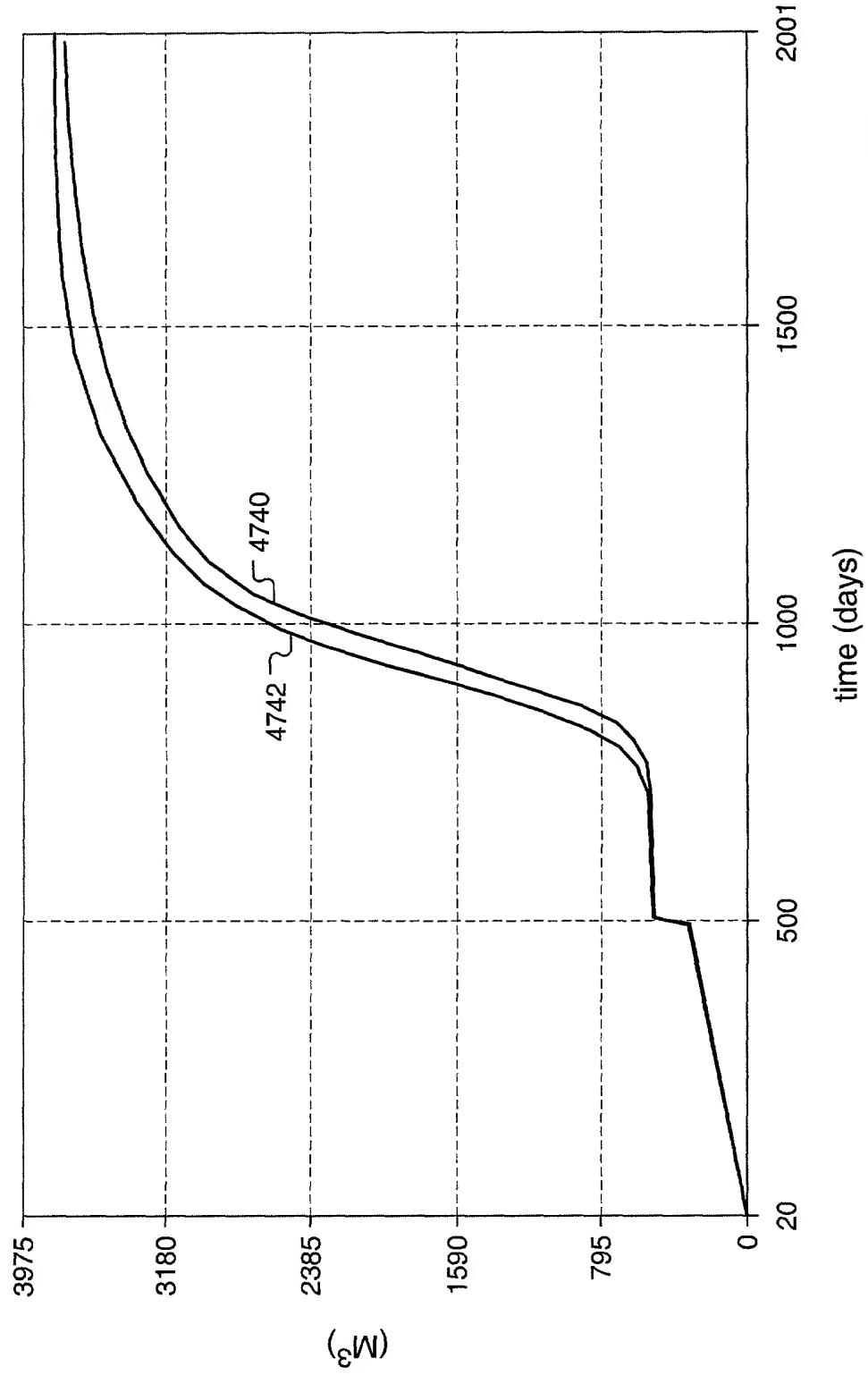


FIG. 170

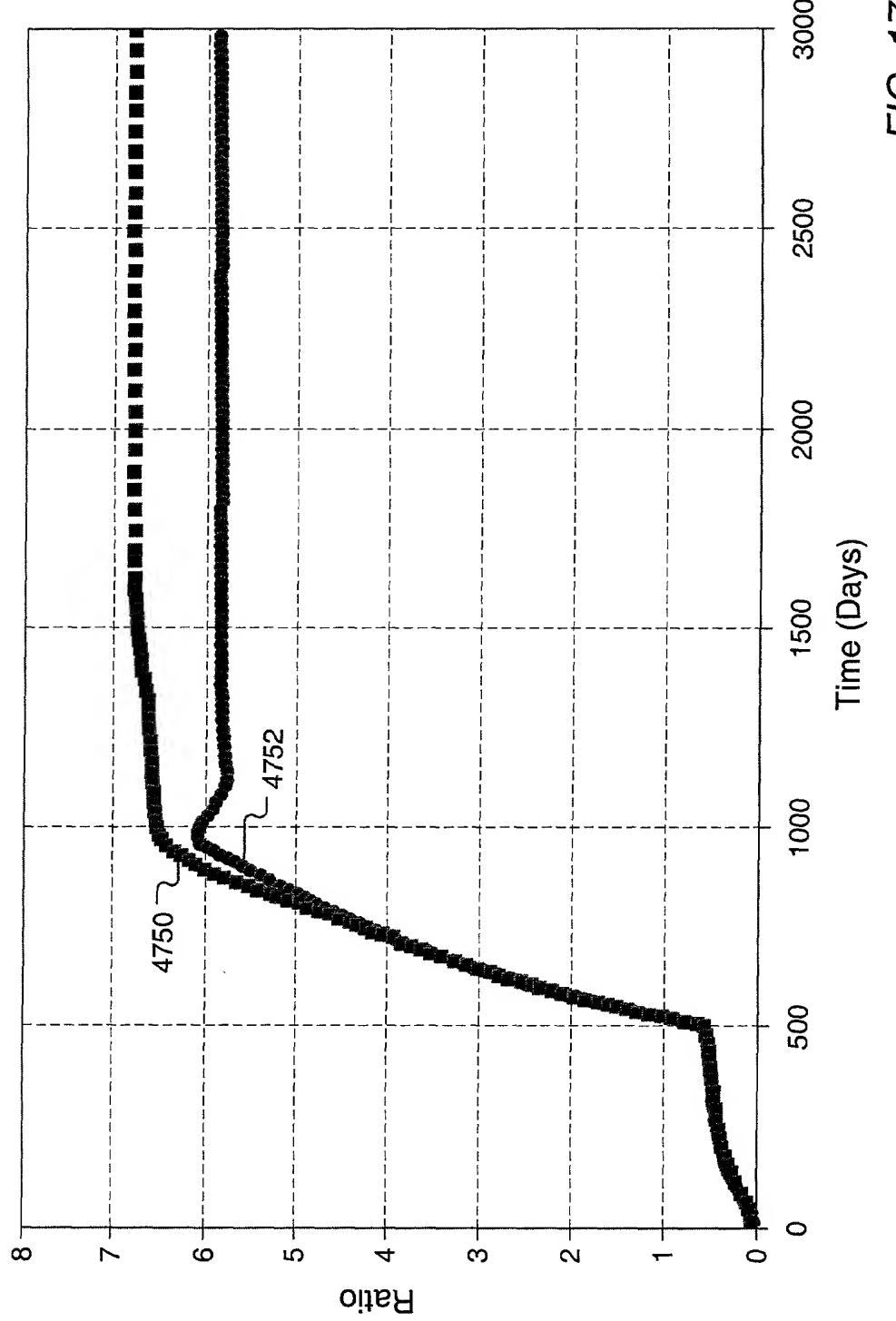


FIG. 171

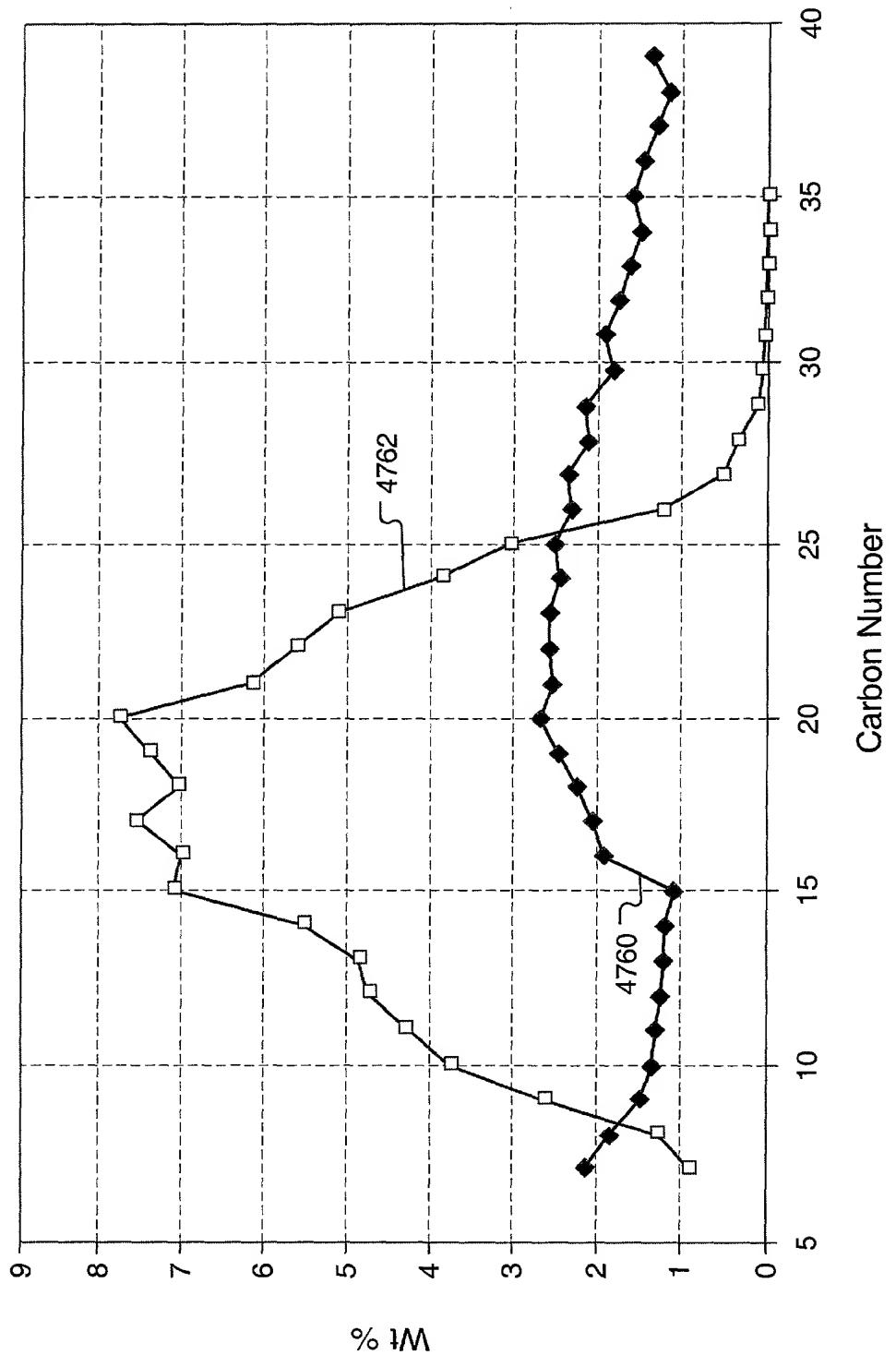


FIG. 172

FIG. 173

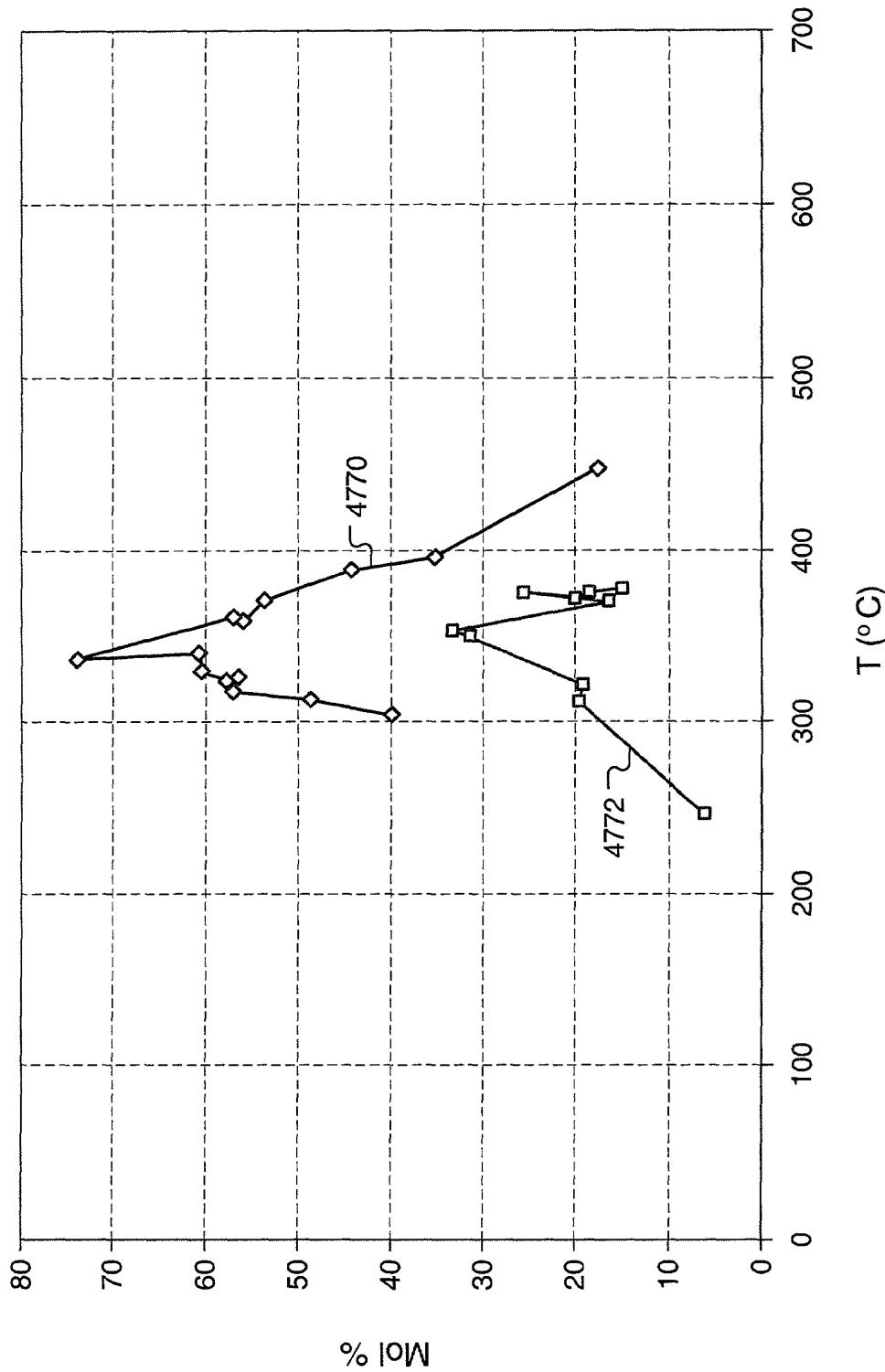


FIG. 174

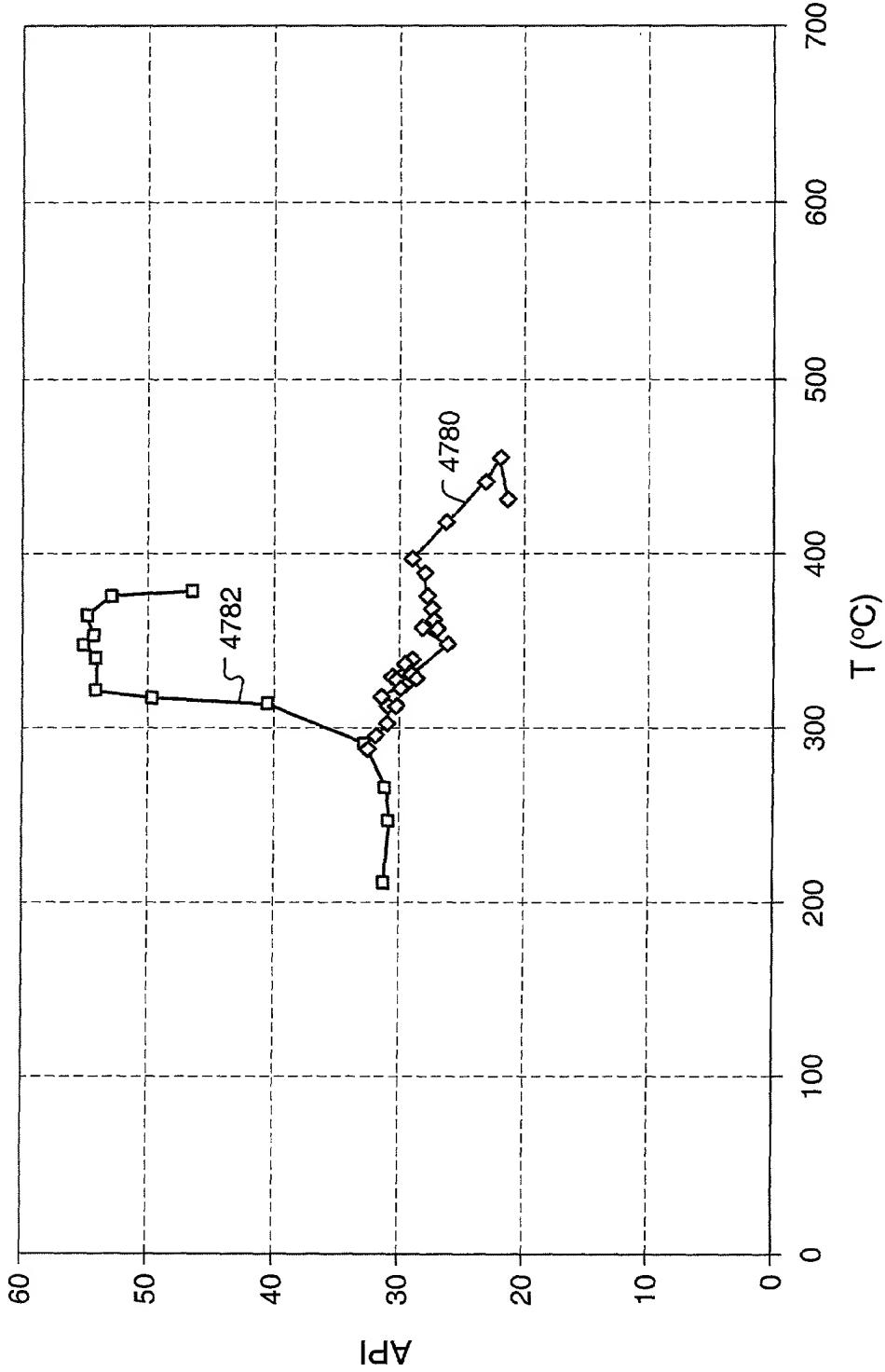


FIG. 175

Days From Start of Heat Injection

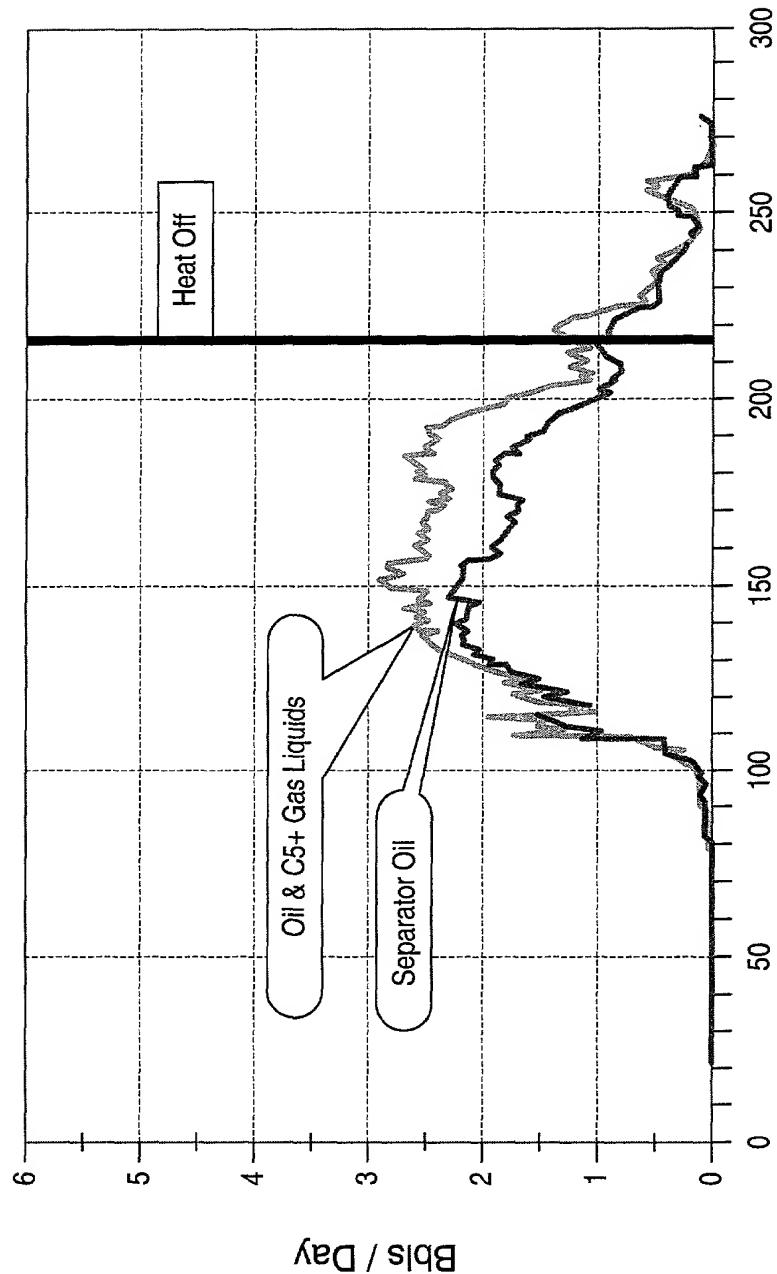
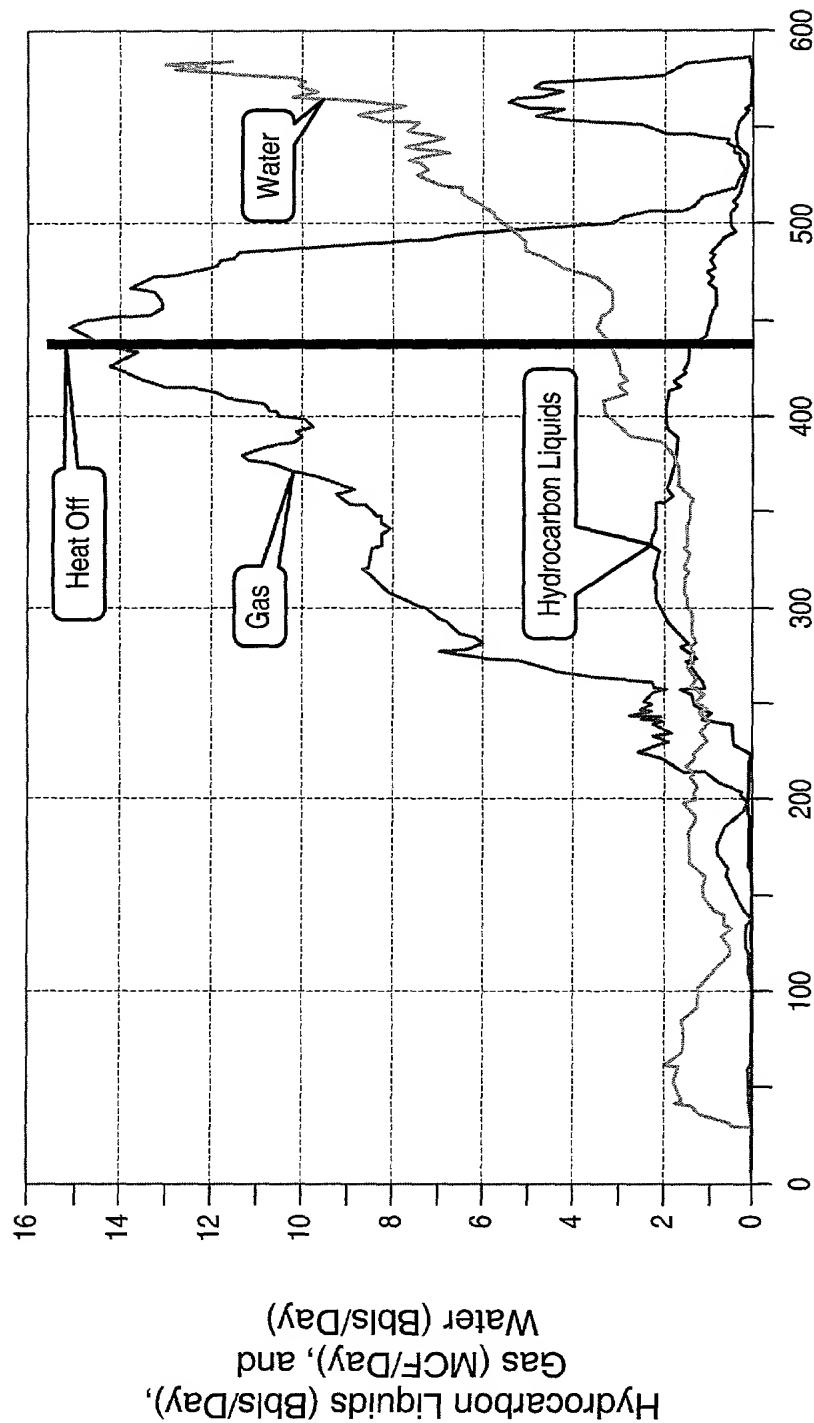


FIG. 176
Mega Watt - Hours



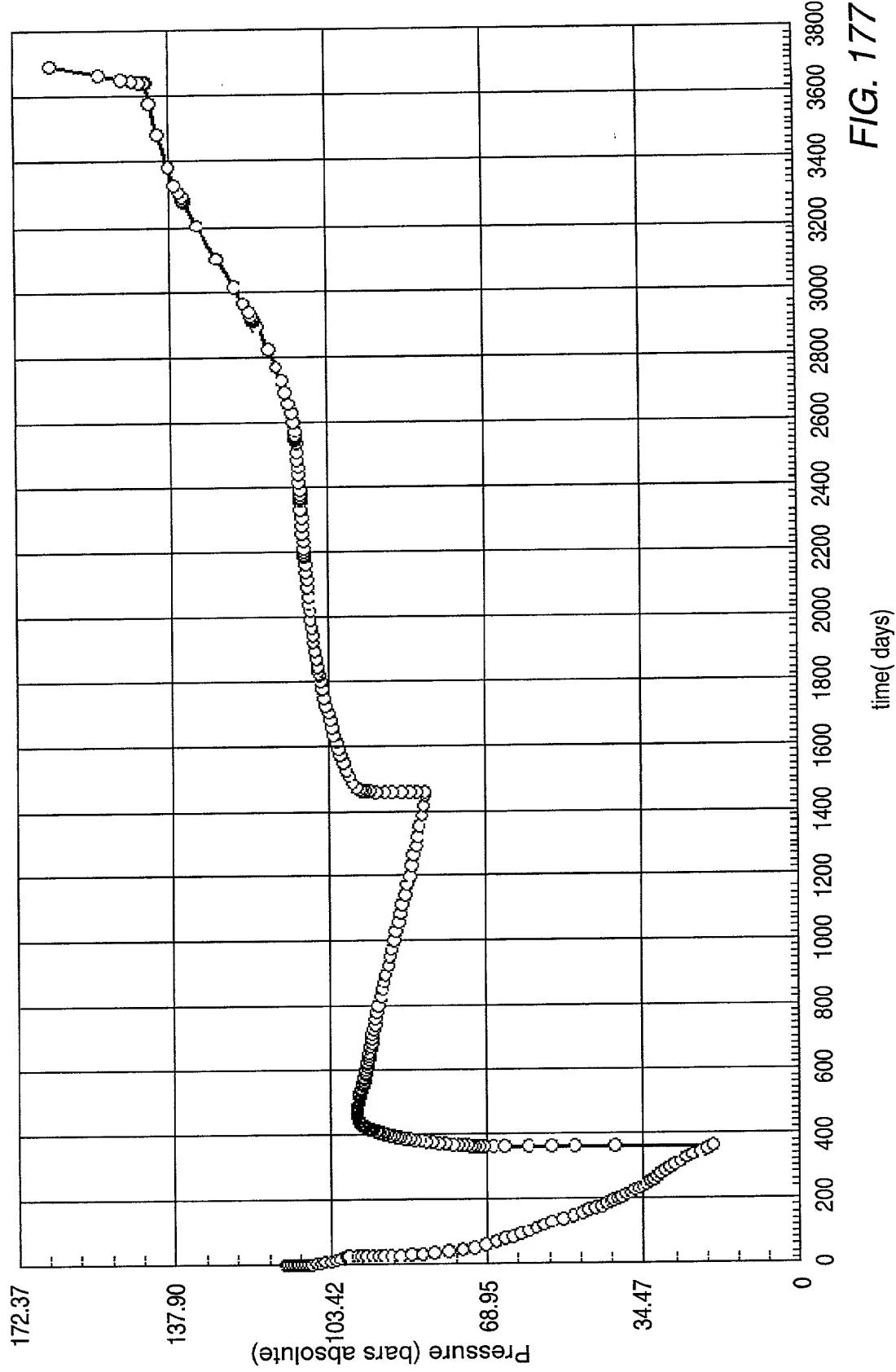


FIG. 177

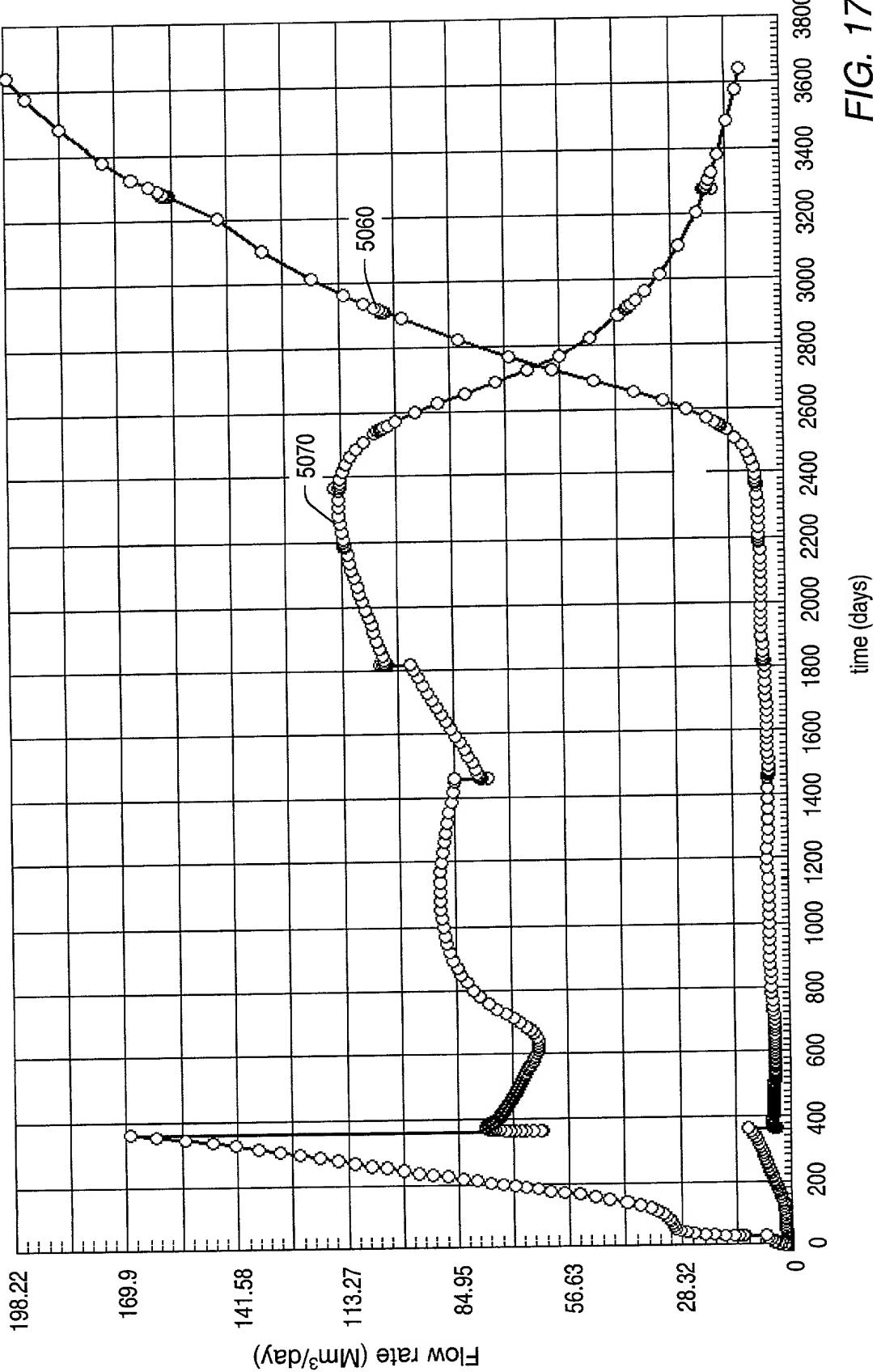


FIG. 178

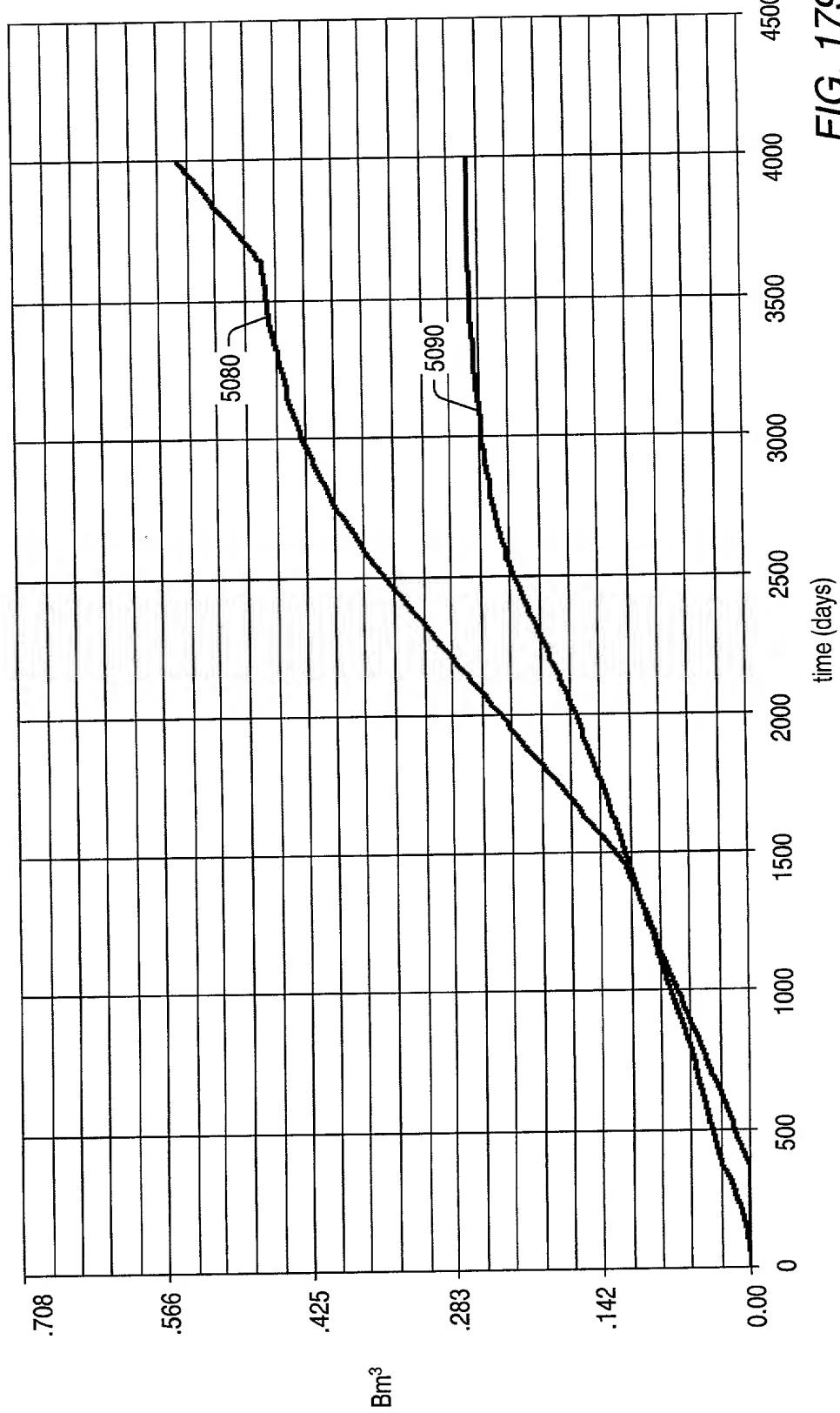


FIG. 179

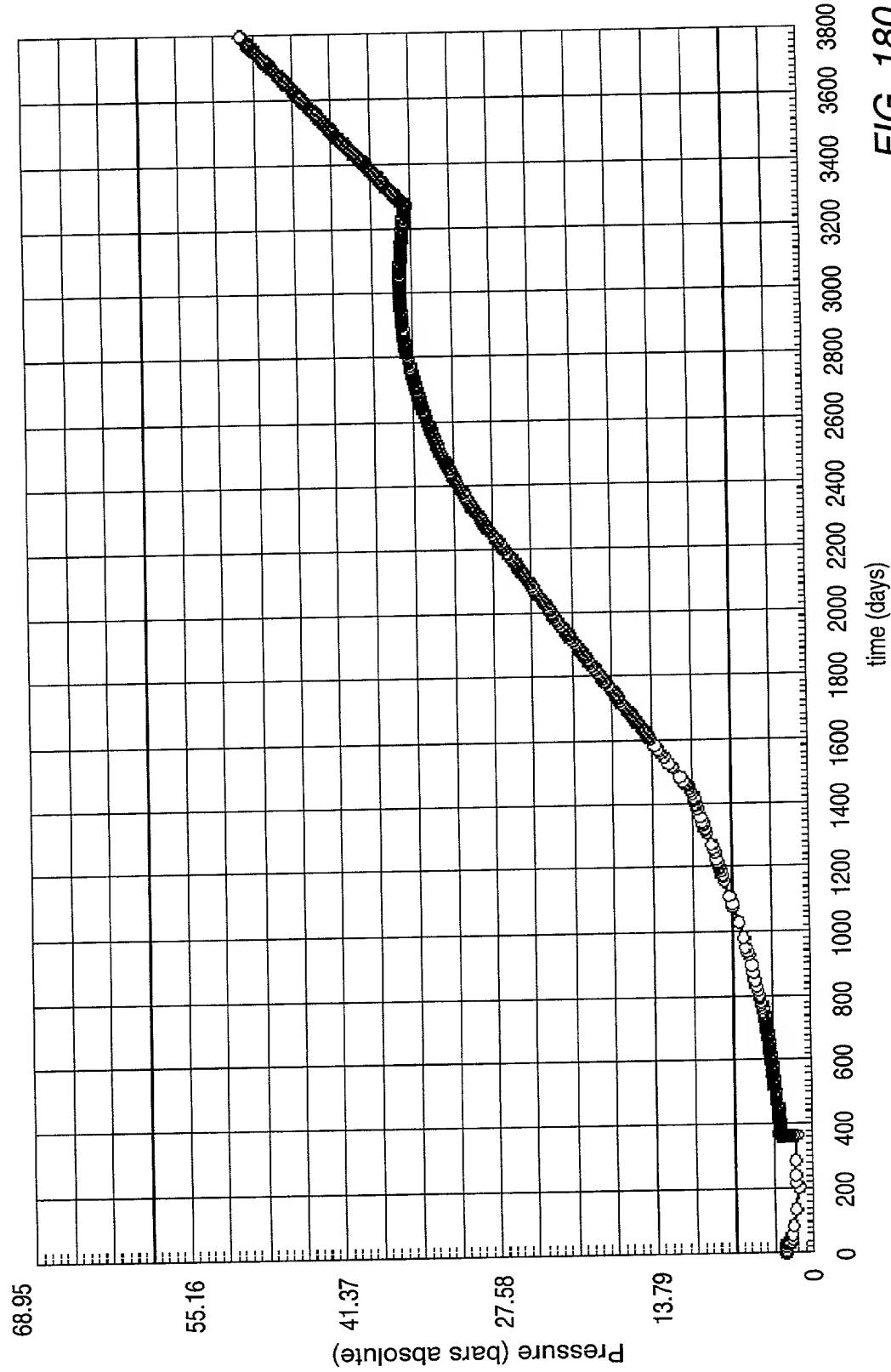


FIG. 180

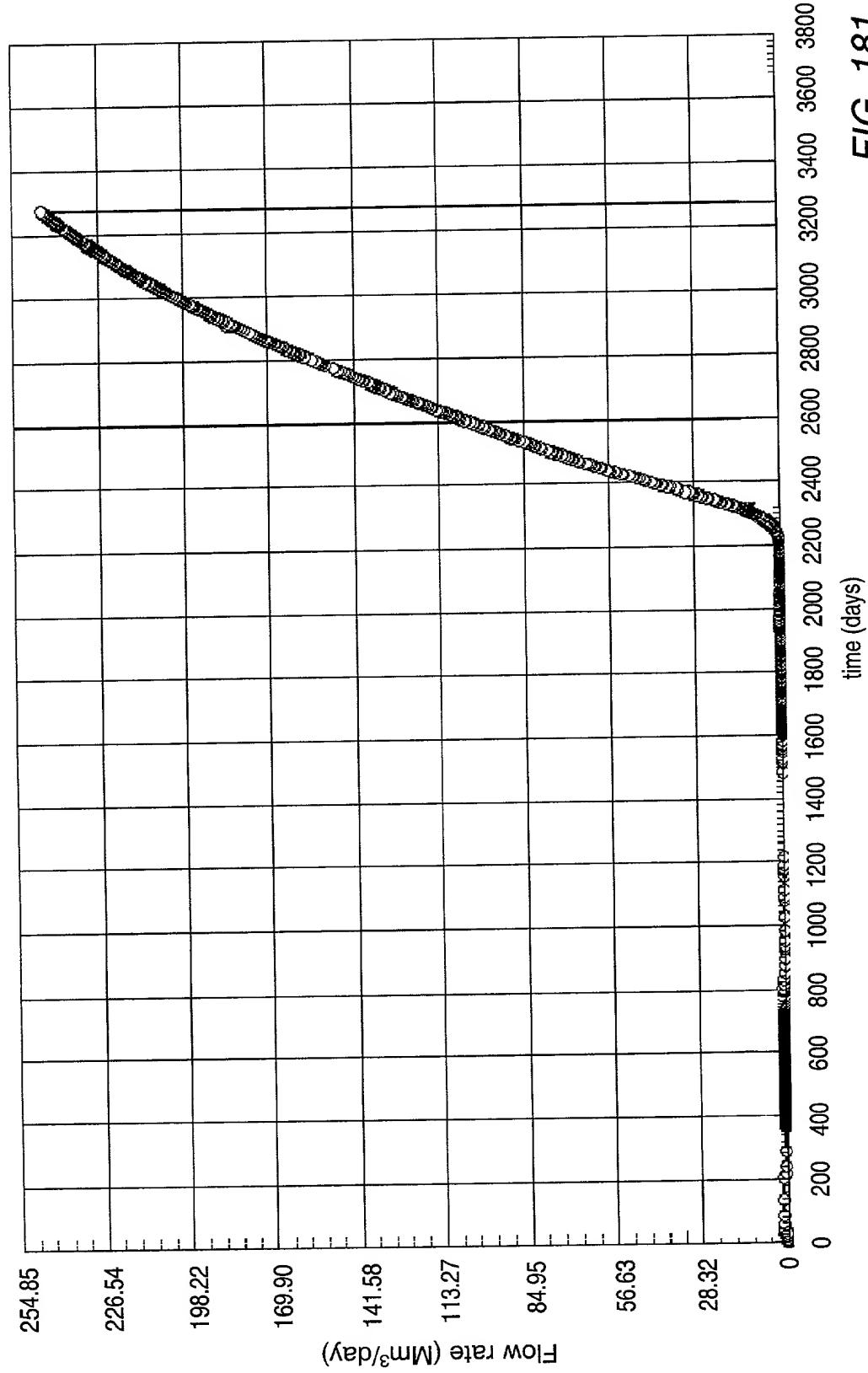


FIG. 181

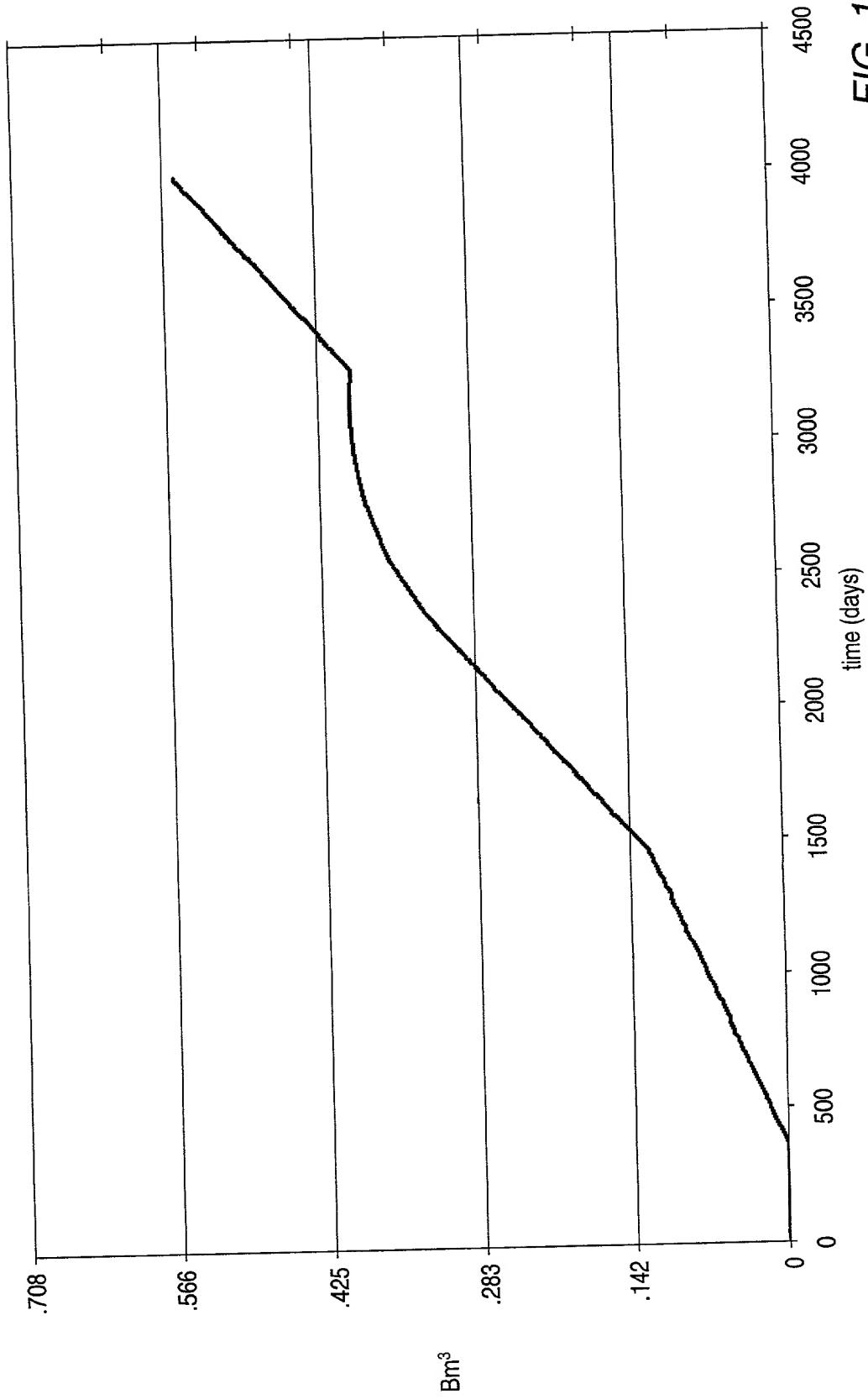


FIG. 182